



Reference: 093168

September 9, 2005

Ms. Kasey Ashley
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Blvd., Suite A
Santa Rosa, CA 95403

Subject: Third Quarter 2005 Groundwater Monitoring Report, Price Trust Property,
Crescent City, California; Case No. 1TDN030

Introduction

This report presents the results of quarterly groundwater monitoring activities for the third quarter 2005, conducted at the Price Trust Property (Case No. 1TDN030). The site is located at Ninth and L Streets, in Crescent City, California (Figure 1). SHN Consulting Engineers & Geologists, Inc. (SHN) performed this work on behalf of Charlene Patterson, Trustee of the Price Trust. This report is being prepared at the request of the California Regional Water Quality Control Board, North Coast Region (RWQCB).

Vicinity Information

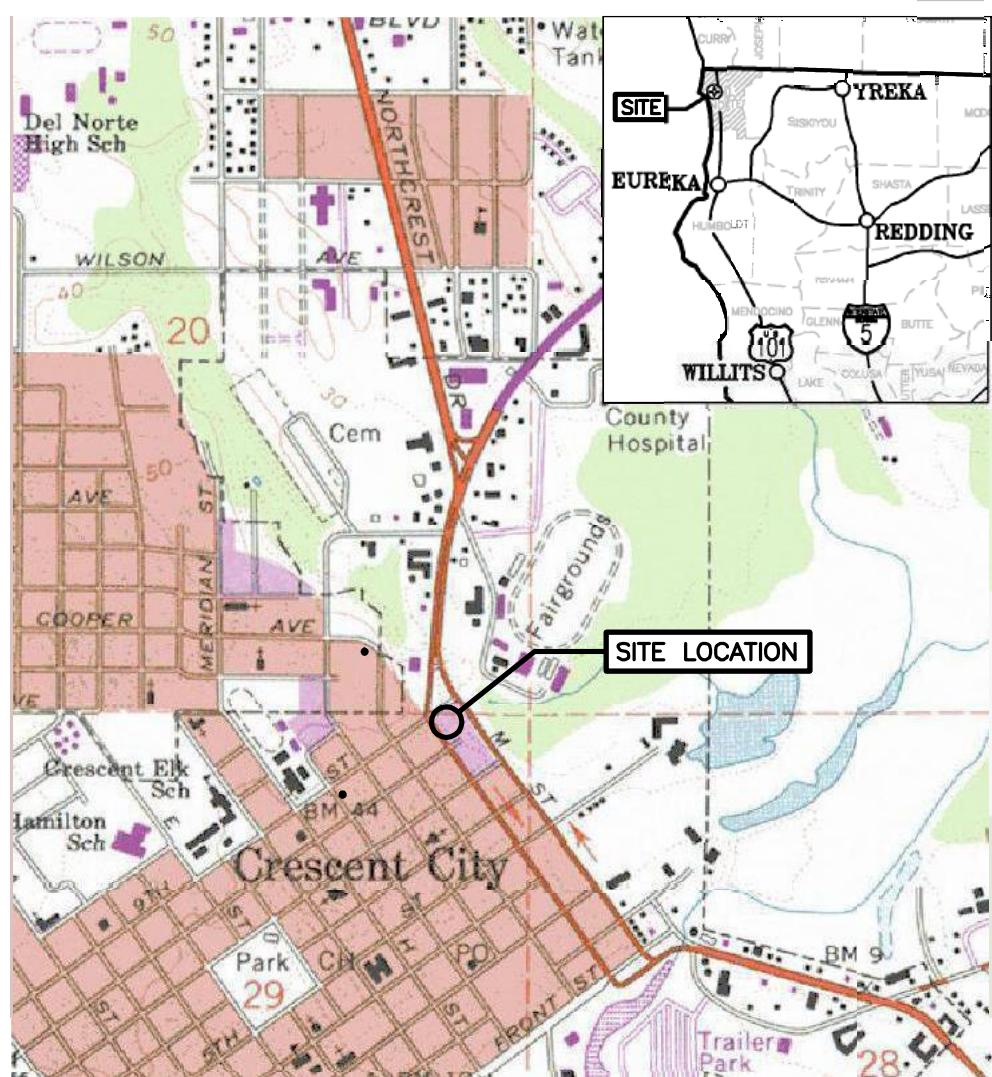
The site is located within the northeast quarter of Section 29, Range 1 West, Township 14 North. Former Underground Storage Tanks (UST) were located near the southeast corner of the intersection of Ninth and L Streets, in Crescent City, Del Norte County. U.S. Highway 101 South (L Street) is a one-way, three-lane paved roadway situated to the west of the site, and Ninth Street is an east-west trending, two-lane paved road situated to the north of the site. Highway, commercial, and residential properties comprise the primary land uses in the vicinity of the subject site. The current zoning on the subject parcel is Commercial (C-2). The elevation of the site is approximately 30 feet above Mean Sea Level (MSL).

Background

An automotive service and gas station operated on the site from 1930 to 1960. A machine shop operated on the site from 1960 to 1980. The on-site buildings were demolished in 1987, and the foundation was removed in September 2000.

On October 26, 1990, three 550-gallon USTs were closed by removal (Figure 2). Soil samples collected at the time of the tank removal indicated that an unauthorized release had occurred. Analytical results from this tank removal are summarized in the *Corrective Action Plan for the Price Trust Site* (SHN, 1997).

In May 1994, SHN directed overexcavation activities at the former UST location, during which widespread soil contamination was discovered. Overexcavation of the area was kept to a minimum, and a soil investigation was completed in an attempt to delineate the lateral extent of soil contamination. Approximately 60 cubic yards (yd^3) of contaminated soil were excavated and stockpiled on site, and 15 Test Pits (TP-1 through TP-15) were excavated. Analytical results from this investigation are also summarized in the *Corrective Action Plan for the Price Trust Site* (SHN, 1997).



SOURCE: CRESCENT CITY
USGS 7.5 MINUTE
QUADRANGLE

1"=1000'±



Price Trust Property
9th and L Streets
Crescent City, California

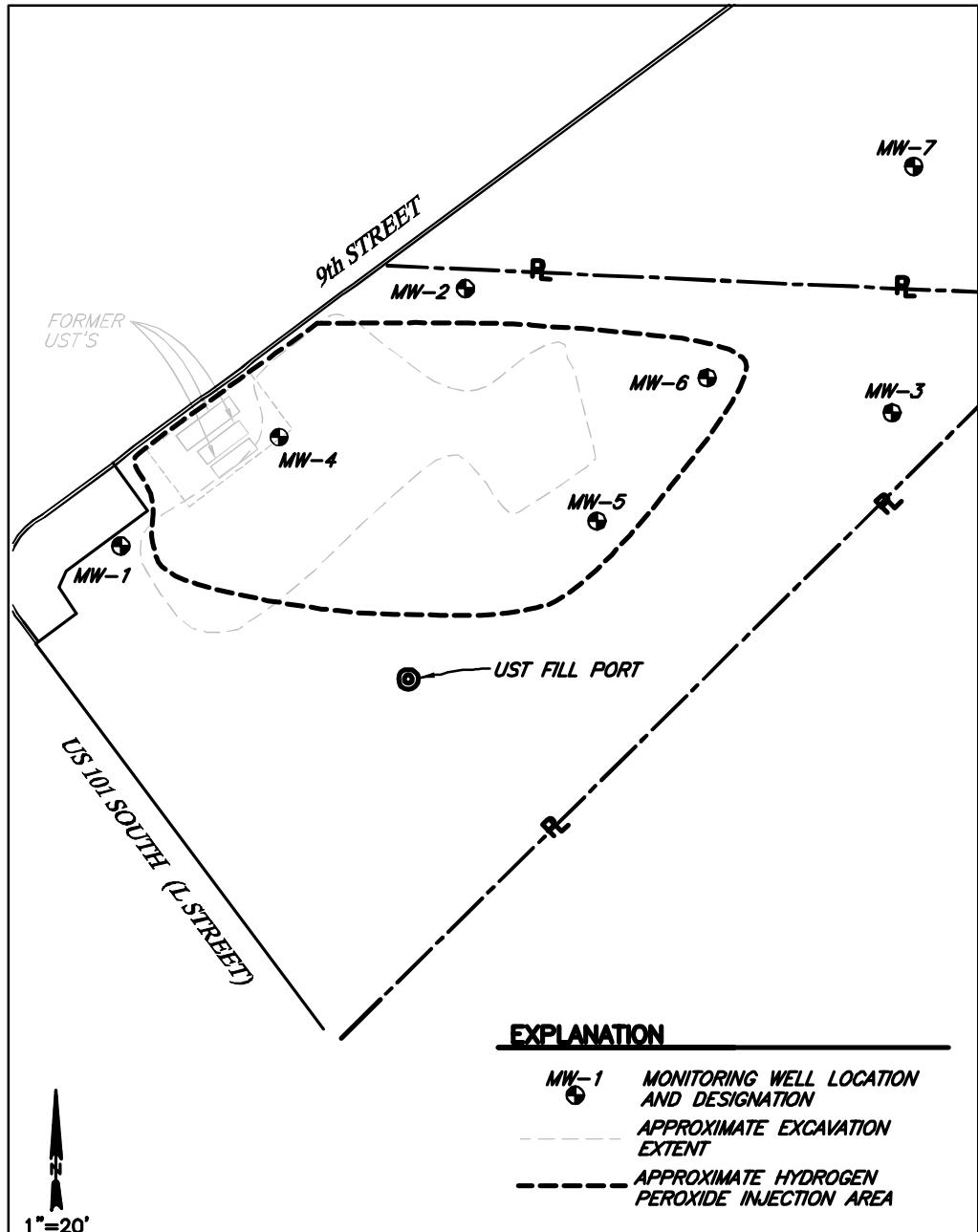
Site Location Map

SHN 093168

AUGUST 2003

093168-LOCATION

Figure 1



Price Trust Property
9th and L Streets
Crescent City, California

February, 2004

Site Plan
SHN 093168

093168-SITEPLAN

Figure 2

Kasey Ashley

Price Trust Third Quarter 2005 Groundwater Monitoring Report

September 9, 2005

Page 2

In December 1996, SHN directed Clear Heart Drilling in the advancement of 12 boreholes (Borings B-101 through B-112) to define the lateral and vertical extent of soil contamination. Results from this investigation indicated that high concentrations of Total Petroleum Hydrocarbons as Gasoline (TPHG) and as Diesel (TPHD) were present at depths of 8 to 11 feet Below Ground Surface (BGS), and moderate concentrations of Total Petroleum Hydrocarbons as Motor Oil (TPHMO) were present at shallower depths. Three of the soil borings were converted to shallow groundwater Monitoring Wells (MW-1, MW-2, and MW-3). Details of this investigation are summarized in the *Corrective Action Plan for the Price Trust Site* (SHN, 1997).

On July 23, 1998, SHN representatives directed Beacom Construction during the excavation of 14 test pits at the site (B-200 to B-213). Test pits were excavated to a depth of approximately 12 feet BGS, which was near the soil-groundwater interface. Two soil samples were collected from each test pit and sent to a California-certified analytical laboratory for analysis. SHN installed temporary well points at four of the test pit locations. Hydraulic conductivity measurements were made on the three site monitoring wells. Results of this investigation are included in the remedial action plan amendment for the Price Trust site (SHN, 1999).

From September 11–13, 2000, SHN directed Hake Construction in the over-excavation of hydrocarbon-contaminated soil as part of an approved Remedial Action Plan (RAP). Approximately 416 tons of soil (approximately 310 yd³) were removed and properly disposed. Verification soil samples were collected from the excavated areas. Results of this remedial action are presented in the *Overexcavation Report of Findings* (SHN, 2001).

Quarterly groundwater monitoring has been conducted at the site since January 2001. In April 2001, SHN supervised the installation of monitoring wells MW-4 and MW-5 at the site.

On September 12, 2001, SHN supervised the installation of monitoring well MW-6.

In November 2001, SHN performed a sensitive receptor survey for a 1,000-foot radius from the site. No impacts to any potential receptors were identified.

In November 2002, SHN supervised the installation of monitoring well MW-7.

On November 25, 2003, SHN supervised the installation of three soil borings (PS-1, PS-2, and PS-3) using a truck-mounted Geoprobe® rig operated by Fisch Environmental of Valley Springs, California. Soil borings were extended to a maximum depth of 16 feet BGS. Soil and groundwater samples were submitted to Dr. Richard Watts at the Washington State University Chemical Oxidation Research Laboratory for a bench scale treatability study to determine the optimal amount of hydrogen peroxide required to oxidize petroleum hydrocarbons in the subsurface (SHN, 2004).

From November 9–19, 2004, SHN supervised Fisch Environmental in the injection of citric acid and hydrogen peroxide at the site. Approximately 2,600 gallons of citric acid solution and 3,500 gallons of 10% hydrogen peroxide were injected through 54 temporary injection points (SHN, 2005).

Kasey Ashley

Price Trust Third Quarter 2005 Groundwater Monitoring Report

September 9, 2005

Page 3

Geology and Hydrology

Regional geology in the vicinity of the site was mapped as Quaternary age marine terrace and sand dune deposits (Battery Formation) (Davenport, 1982). In general, underlying soils consist of 1-8 feet of fill material underlain by fine-grained clayey or silty sands.

Groundwater flow is typically to the northeast, with an average gradient of 0.027. Groundwater levels average approximately 10 feet BGS with seasonal fluctuations of approximately 5 feet.

Field Activities

Monitoring Well Sampling

On July 5, 2005, monitoring wells MW-1 through MW-7 were sampled. Prior to sampling, each well was checked for the presence of free product (none was observed), measured for depth to water and total depth, and monitored for Dissolved Oxygen (DO), Dissolved Carbon Dioxide (DCO₂), and Oxidation-Reduction Potential (ORP). DO and ORP were measured using portable instrumentation, and DCO₂ was measured using a field test kit.

Each well was purged of at least three casing volumes of water using disposable polyethylene bailers. During well purging, each well was monitored for Electrical Conductivity (EC), temperature, and pH using portable instrumentation. Each groundwater-monitoring well was sampled upon completion of well purging activities.

Groundwater samples were collected using disposable polyethylene bailers and transferred into laboratory-supplied bottles. Water samples were labeled with the project name, project number, sample number, sample time; then placed in an iced cooler and transported to the laboratory under chain-of-custody documentation. Each groundwater sample was analyzed for constituents described in the "Laboratory Analysis" section.

Field data sheets are included in Attachment 1.

Data will be submitted electronically to the Geotracker database once the electronic files are received from the analytical laboratory.

Laboratory Analysis

Each groundwater sample collected from the monitoring wells during the Third Quarter 2005 sampling event was analyzed for:

- TPHD and TPHG in general accordance with U.S. Environmental Protection Agency (EPA) Method No. 8015B
- Benzene, Toluene, Ethylbenzene, total Xylenes (BTEX) and Methyl Tertiary-Butyl Ether (MTBE) in general accordance with EPA Method No. 8021B
- Alkalinity in general accordance with Standard Method 19th Edition 2320B
- Sulfate and nitrate in general accordance with EPA Method No. 300.0

Kasey Ashley

Price Trust Third Quarter 2005 Groundwater Monitoring Report

September 9, 2005

Page 4

Select groundwater samples (Table 1) were also analyzed for:

- Chemical Oxygen Demand (COD) in general accordance with EPA Method No. 410.4
- Dissolved metals in general accordance with EPA Methods 200.7 or 200.9

Table 1 Chemical Oxygen Demand and Dissolved Metals Analytical Matrix Price Trust Property, Crescent City, California								
Sample Location	COD ¹	Fe ²	Mn ³	Al ⁴	Cr ⁵	Pb ⁶	Ni ⁷	As ⁸
MW-1		X	X		X			
MW-2	X	X	X	X	X			
MW-3		X	X		X			
MW-4	X	X	X	X	X	X	X	X
MW-5	X	X	X	X				
MW-6	X	X	X	X	X		X	X
MW-7		X	X		X		X	

1. COD: Chemical Oxygen Demand 5. Cr: Dissolved Chromium
2. Fe: Dissolved Iron 6. Pb: Dissolved Lead
3. Mn: Dissolved Manganese 7. Ni: Dissolved Nickel
4. Al: Dissolved Aluminum 8. As: Dissolved Arsenic

Groundwater samples were submitted to North Coast Laboratories, Ltd. of Arcata, California.

Equipment Decontamination Procedures

The sampling and monitoring equipment was cleaned using the triple wash system. The equipment was first washed in a water solution containing Liquinox® cleaner, followed by two distilled water rinses.

Investigation-Derived Waste Management

Water used in the decontamination of equipment, tools, and all purge water from the July 2005 quarterly monitoring event was contained in Department of Transportation (DOT)-approved 17 E/H, 55-gallon drums. The water was then transported to SHN's 1,000-gallon purge water storage tank. Approximately 37 gallons of water were generated during the monitoring event. Discharge receipts for water generated during the second and third quarter 2005 sampling events are included in Attachment 1.

Groundwater Monitoring Results

Hydrogeology

Prior to well sampling, depth-to-water measurements were taken in wells MW-1 through MW-7. Table 2 shows the groundwater elevations on July 5, 2005.

Kasey Ashley

Price Trust Third Quarter 2005 Groundwater Monitoring Report

September 9, 2005

Page 5

Table 2
Groundwater Elevations, July 5, 2005
Price Trust Property, Crescent City, California

Sample Location	Top of Casing Elevation (feet MSL ¹)	Depth to Water ² (feet)	Groundwater Elevation (feet MSL)
MW-1	30.44	8.52	21.92
MW-2	30.46	10.06	20.40
MW-3	28.51	9.27	19.24
MW-4	29.35	7.61	21.74
MW-5	29.09	8.39	20.70
MW-6	31.14	11.52	19.62
MW-7	22.13	3.81	18.32

1. MSL: Mean Sea Level

2. Below top of casing

On July 5, 2005, the estimated groundwater gradient and flow direction beneath the site was 0.032 to the northeast (Figure 3). Historic groundwater elevation data is presented in Attachment 2.

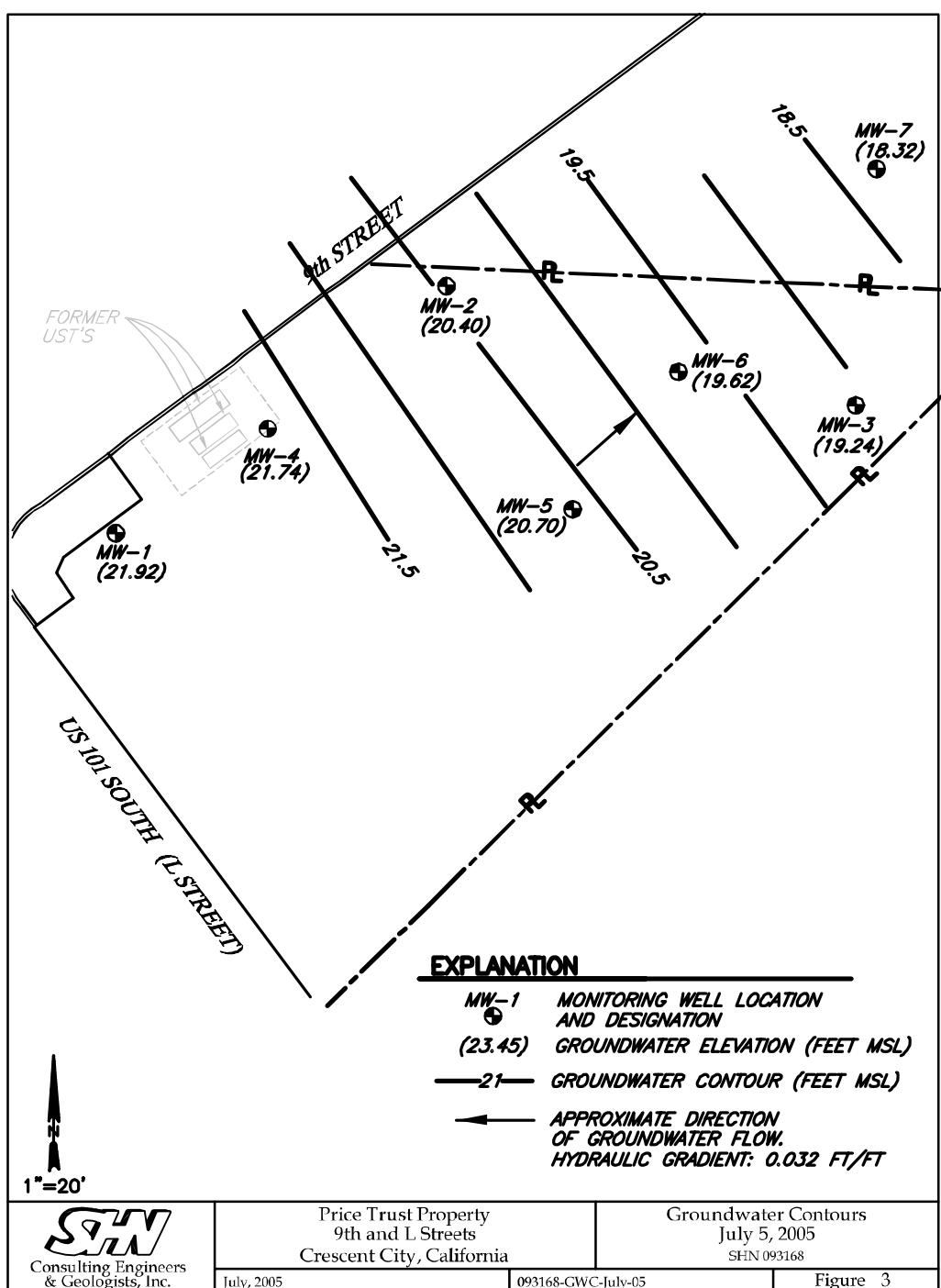
Groundwater Analytical Results

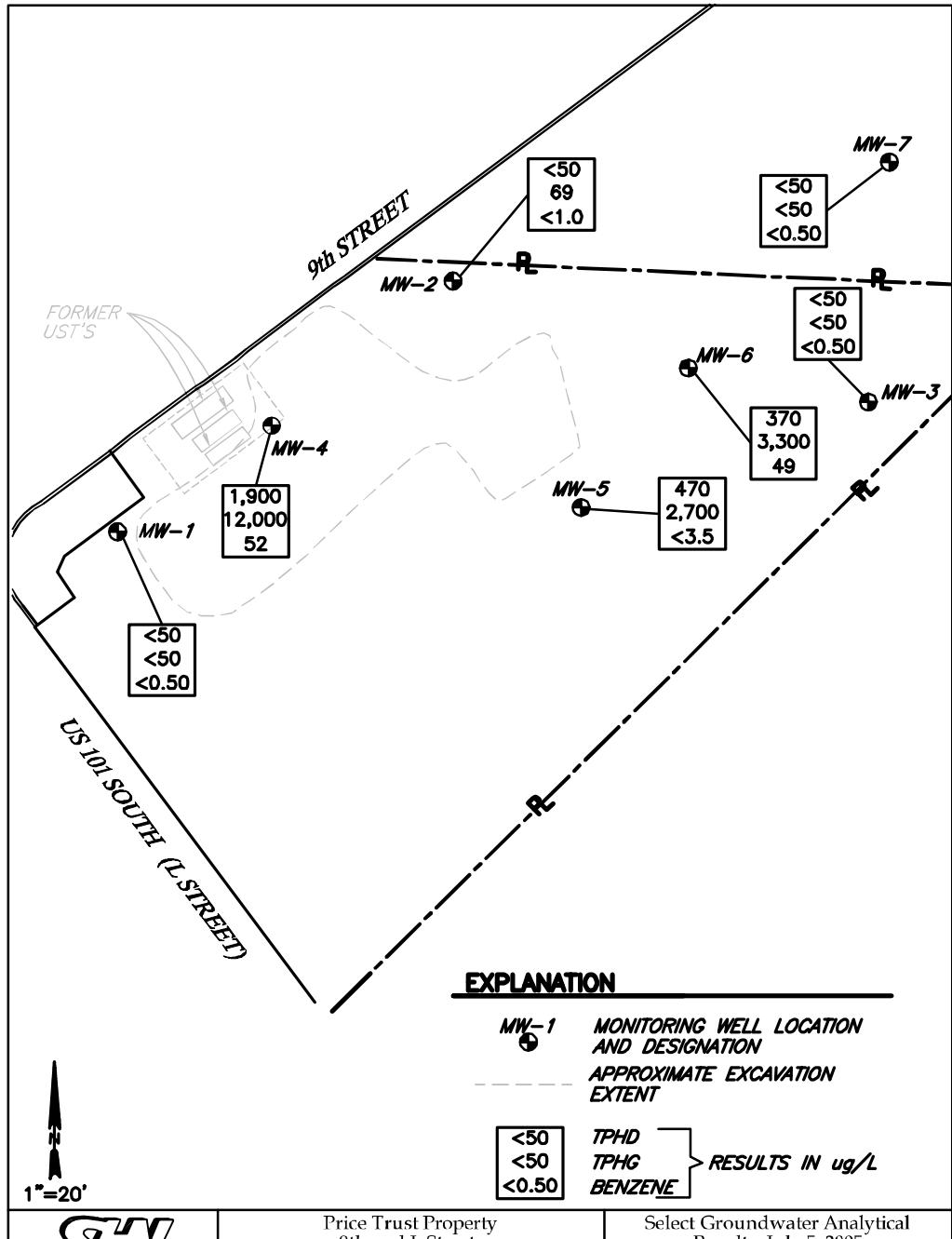
Groundwater samples from wells MW-1 through MW-7 were collected on July 5, 2005. Analytical results are presented in Tables 3 through 5, and summarized on Figure 4. Historic analytical data are included in Attachment 2. Laboratory analytical reports are included in Attachment 3.

Petroleum hydrocarbons are present primarily in the vicinity of MW-4, MW-5, and MW-6, with the highest concentrations in MW-4. TPHG concentration through time graphs indicate declining trends in TPHG concentration in monitoring wells MW-5 and MW-6, while the TPHG concentration trend in MW-4 is relatively flat (Attachment 4).

Natural Attenuation Parameters

Natural Attenuation Parameters (DO, DCO₂, and ORP) were measured in each of the groundwater monitoring wells before sampling, and are presented in Table 6. Historic data are included in Attachment 2. Since the hydrogen peroxide injection, select measured parameters and analytes have increased in MW-4 (DCO₂, dissolved iron, dissolved manganese, and alkalinity), indicating increased rates of natural attenuation of contaminants. Table 7 shows trends expected in groundwater parameters and select analytes when monitored natural attenuation is occurring (Wiedemeier et al., 1999), and compares data collected in July 2005 from MW-4 to background conditions at MW-1.





Kasey Ashley

Price Trust Third Quarter 2005 Groundwater Monitoring Report

September 9, 2005

Page 6

Table 3
Groundwater Analytical Results, July 5, 2005
Price Trust Property, Crescent City, California
(in ug/L)¹

Sample Location	TPHD ²	TPHG ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
MW-1	<50 ⁴	<50	<0.50	<0.50	<0.50	<0.50
MW-2	<50	69 ⁵	<0.50	1.1	<0.50	<0.50
MW-3	<50	<50	<0.50	<0.50	<0.50	<0.50
MW-4	1,900 ⁶	12,000 ⁵	52	140	510	35
MW-5	470 ⁶	2,700 ⁷	<3.5	<40	<20	<15
MW-6	370 ⁶	3,300 ⁵	49	38	100	36
MW-7	<50	<50	<0.50	<0.50	<0.50	<0.50

1. ug/L: micrograms per Liter
2. Total Petroleum Hydrocarbons as Diesel (TPHD) and as Gasoline (TPHG) analyzed in general accordance with EPA Method No. 8015B
3. Analyzed in general accordance with EPA Method No. 8021B
4. <: Denotes a value that is "less than" the method detection limit.
5. Results include the reported gasoline components in addition to other peaks in the gasoline range.
6. Sample contains some material lighter than diesel. However, some of this material extends into the diesel range of molecular weights. These samples also contain material in the diesel range of molecular weights, but the material does not exhibit the peak pattern typical of diesel oil.
7. Sample does not present a peak pattern consistent with that of gasoline. The reported results represent the amount in the gasoline range.

Table 4
Groundwater Analytical Results-Inorganic Constituents, July 5, 2005
Price Trust Property, Crescent City, California
(in mg/L)¹

Sample Location	Chemical Oxygen Demand	Alkalinity	Sulfate	Nitrate
MW-1	NA ²	62	14	1.1
MW-2	37	350	<0.50	<0.10 ³
MW-3	NA	170	8.8	<0.10
MW-4	120	310	11	<0.10
MW-5	30	79	1.3	<0.10
MW-6	48	230	<0.50	<0.10
MW-7	NA	64	11	1.7

1. mg/L: milligrams per Liter
2. NA: Not Analyzed
3. <: Denotes a value that is "less than" the method detection limit.

Kasey Ashley

Price Trust Third Quarter 2005 Groundwater Monitoring Report

September 9, 2005

Page 7

Table 5
Groundwater Analytical Results-Dissolved Metals, July 5, 2005
Price Trust Property, Crescent City, California
(in ug/L)¹

Sample Location	Iron	Aluminum	Chromium	Manganese	Nickel	Arsenic	Lead
MW-1	<100 ²	NA ³	<10	<2.0	NA	NA	NA
MW-2	25,000	<100	<10	1,400	NA	NA	NA
MW-3	780	NA	<10	1,800	NA	NA	NA
MW-4	110,000	<100	35	4,000	<20	19	24
MW-5	15,000	<100	NA	1,600	NA	NA	NA
MW-6	41,000	<100	<10	4,300	<20	15	NA
MW-7	<100	NA	17	<2.0	<20	NA	NA

1. ug/L: micrograms per Liter

2. <: Denotes a value that is "less than" the method detection limit.

3. NA: Not Analyzed

Table 6
DO, DCO₂, and ORP Measurement Results, July 5, 2005
Price Trust Property, Crescent City, California

Sample Location	DO ¹ (ppm) ²	DCO ₂ ³ (ppm)	ORP ⁴ (mV) ⁵
MW-1	4.01	25	149
MW-2	0.98	350	-117
MW-3	0.74	30	156
MW-4	0.74	700	-117
MW-5	0.66	70	2.0
MW-6	0.69	250	-97
MW-7	6.04	15	125

1. DO: Dissolved Oxygen, field measured using portable instrumentation.

2. ppm: Measurement concentration, in parts per million.

3. DCO₂: Dissolved Carbon Dioxide, field measured using a field test kit.

4. ORP: Oxidation-Reduction Potential measured using portable instrumentation.

5. mV : millivolts.

6. NM: Not Measured

Table 7
MNA Indicator Comparison, July 2005
Price Trust Property, Crescent City, California

Table 7
MNA Indicator Comparison, July 2005
Price Trust Property, Crescent City, California

Groundwater Bioremediation Parameter	Units	Expected Trend for Source Well Related to Background	Background Well MW-1	Source Well MW-4	Consistent with Trend
Dissolved Oxygen	ppm ¹	Decreases	4.01	0.74	Yes
Dissolved Carbon Dioxide	ppm	Increases	25	700	Yes
Oxidation-Reduction Potential	mV ²	Decreases	149	-117	Yes
Dissolved Iron	ug/L ³	Increases	<100	110,000	Yes
Dissolved Manganese	ug/L	Increases	<2.0	4,000	Yes
Nitrate	mg/L ⁴	Decreases	1.1	<0.10	Yes
Sulfate	mg/L	Decreases	14	11	Yes
Alkalinity	mg/L	Increases	62	310	Yes

1. ppm: parts per million

2. mV: millivolts

3. µg /L: micrograms per Liter

4. mg/L: milligrams per Liter

Conclusion and Recommendations

The following conclusions are based on information presented in preceding sections:

- No petroleum hydrocarbons were detected above the method detection limits in groundwater samples from monitoring wells MW-1, MW-3, and MW-7.
 - Low concentrations of TPHG were detected in the groundwater sample from MW-2.
 - The contaminant plume continues to be confined in the vicinity of MW-4, MW-5, and MW-6.
 - Natural degradation of petroleum hydrocarbons is occurring at the site.

The following recommendations are based on information presented in preceding sections:

- Continue groundwater monitoring in site wells using the revised analytical program that was used during the first quarter 2005 groundwater-monitoring event.

SHN supervised the removal of the discovered UST at the site during the week of August 8, 2005. The results of the UST removal will be included in the next quarterly monitoring report.

SHN will complete and submit quarterly monitoring reports, no later than 60 days following each quarterly sampling event. The reports will include a description of the monitoring and sampling activities, a summary of results, analytical reports, groundwater elevations, and groundwater contour maps. The next quarterly monitoring event will take place in October 2005.

Kasey Ashley
Price Trust Third Quarter 2005 Groundwater Monitoring Report
September 9, 2005
Page 9

If you have any questions regarding the work completed, please call me at 707/441-8855.

Sincerely,

SHN Consulting Engineers & Geologists, Inc.

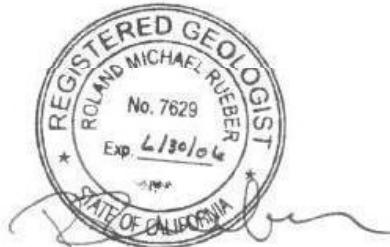


Pat Barsanti
Project Manager

PNB/RMR:lms:med

- Attachments:
1. Field Notes
 2. Historic Monitoring Data
 3. Laboratory Analytical Reports
 4. TPHG Concentration Graphs

copy w/attach: Leon Perreault, DNCDEH
Charlene Patterson, Price Trust, c/o Patterson Accountancy
Joe Mendez, Del Norte Realty
USTCF



References Cited

- Davenport, C. W. (1982). "Geology and Geomorphic Features Related to Landsliding, Crescent City 7.5' Minute Quadrangle, Del Norte County, California." DMG Open File Report 82-21. Scale 1:24,000.
- SHN Consulting Engineers & Geologists, Inc. (1997). *Corrective Action Plan for the Price Trust Site*. Eureka: SHN.
- . (1999). *Soil and Groundwater Investigation, & Remedial Action Plan Amendment*. Eureka: SHN
- . (2001). *Overexcavation Report of Findings*. Eureka: SHN.
- . (2004). *Bench Scale Test Results and First Quarter 2004 Groundwater Monitoring Report*. Eureka: SHN.
- . (2005). *Fourth Quarter 2004 and Remedial Action Implementation Report*. Eureka: SHN
- Wiedemeier, T.H., Wilson, J.T., Campbell, D.H., Miller, R. N., Hansen, J.E., 1999. *Technical Protocol for Implementing Intrinsic Remediation with Long-Term Monitoring for Natural Attenuation of Fuel Contamination Dissolved in Groundwater*. Air Force Center for Environmental Excellence, Technology Transfer Division, San Antonio Texas.

Attachment 1
Field Notes



CONSULTING ENGINEERS & GEOLOGISTS, INC.

480 Hemsted Drive • Redding, CA 96002 • Tel: 530.221.5424 • FAX: 530.221.0135 • E-mail: shninfo@shn-redding.com
612 W. Wabash • Eureka, CA 95501 • Tel: 707.441.8855 • FAX: 707.441.8877 • E-mail: shninfo@shn-enqr.com

DAILY FIELD REPORT

JOB NO	09316B	
Page	1 of 11	
GENERAL LOCATION OF WORK	DAILY FIELD REPORT SEQUENCE NO	1
Crescent City, CA.	OWNER/CLIENT REPRESENTATIVE	Charlene Patterson
TYPE OF WORK	WEATHER	PROJECT ENGINEER/ SUPERVISOR
Quarterly Sampling	Overcast to clear	Pat Barsanti / Roland Purben
SOURCE & DESCRIPTION OF FILL MATERIAL	KEY PERSONS CONTACTED	TECHNICIAN
		David R. Paine

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING & COMPACTING

- 0807 arrived at site with Aaron Melody. Removed lids and caps on all 7 wells. mw-5 had water in flush mount, bailed out.
- 0831 Aaron started taking water level readings deconing the sounder after each well by scrubbing it with liquidat then rinsing it with DI water.
- 0852 I started taking DO readings.
- 0910 Aaron started purging mw-7 with a disposable bailer, purge water was caught in a graduated 5 gal. bucket.
- 0944 I started purging mw-1 with a disposable bailer, purge water was caught in a graduated 3 gal. bucket.
- 0945 Aaron sampled mw-7, secured well with cap and lid.
- 1008 Aaron started purging mw-3 with a disposable bailer, purge water was caught in a graduated 5 gal. bucket.
- 1010 I sampled mw-1, secured well with cap and lid.
- 1020 I started purging mw-2 with a disposable bailer, purge water was caught in a graduated 3 gal. bucket, well went dry.
- 1044 I started purging mw-6 with a disposable bailer, purge water was caught in a graduated 3 gal. bucket.
- 1055 Aaron sampled mw-3, secured well with cap and lid.
- 1110 Aaron started purging mw-5 with a disposable bailer, purge water was caught in a graduated 5 gal. bucket.
- 1130 I sampled mw-2, secured well with cap and lid.
- 1135 Aaron sampled mw-5, secured well with cap and lid.
- 1145 I sampled mw-6, secured well with cap and lid.
- 1146 Aaron started purging mw-4 with a disposable bailer, purge water was caught in a graduated 5 gal. bucket.
- 1210 we sampled mw-4, secured well with cap and lid.
- 1218 OFF SITE

Note: All decon water and purge water was caught then poured into a 50 gal. plastic drum that I brought in the truck then transported to SHN's 1,000 gal. PWSI located at 812 W. Wabash Avenue Eureka, CA .37 gallons total.



CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Webster • Eureka, CA 95501-2138 • 707/441-8856 • FAX: 707/441-8877 • shoinfo@shn-eucr.com

Groundwater Elevations



CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Wabash • Eureka, CA 95501-2138 • 707/441-8855 • FAX: 707/441-8877 • shninfo@shn-enr.com

EQUIPMENT CALIBRATION SHEET

Name:	David R. Payne			
Project Name:	Price Trust Properties			
Reference No.:	093168			
Date:	7-5-05			
Equipment:	<input checked="" type="checkbox"/> pH & EC <input type="checkbox"/> PID <input type="checkbox"/> GTCO ₂ <input type="checkbox"/> GTLEL <input type="checkbox"/> Turbidity <input checked="" type="checkbox"/> Other Dissolved Oxygen Meter YS195			
Description of Calibration Procedure and Results: <u>pH & EC meter is calibrated using a 2 buffer method with 7.01 and 4.01, the EC (conductivity) is set at 1413 uS.</u> <u>D Dissolved Oxygen meter is self calibrating with the Altimeter set at 0.</u> _____ _____ _____ _____				



CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Wabash • Eureka, CA 95501-2138 • 707/441-5855 • FAX: 707/441-6877 • shninfo@shn-enqr.com

Water Sampling Data Sheet

Project Name:	Pierce Trust	Date/Time:	7-5-05
Project No.:	093168	Sampler Name:	David R. Paine
Location:	Crescent City	Sample Type:	Ground water
Well #:	MW-1	Weather:	Overcast
Hydrocarbon Thickness/Depth (feet):	NA	Key Needed:	YES Dolphin

Total Well Depth (feet)	- Initial Depth to Water (feet)	= Height of Water Column (feet)	x 0.163 gal/ft (2-inch well)/ 0.653 gal/ft (4-inch well)	= 1 Casing Volume (gal)
13.60	- 8.52	= 5.08	x 0.163	= 0.83

Time	DO (ppm)	CO ₂ (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
0904	4.01						0 gal.	
0944		25	149				0.25 gal.	
0952	↓			193	60.6°	6.11	1 gal.	
0956	No Flow			195	60.7°	6.14	2 gal.	
0959	thin call			198	60.7°	6.19	3 gal.	
1010	sample Time							

Purge Method: Hand Bail

Total Volume Removed: 3.00 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-1	3-40ml vials	YES HCl	NCL	TPHG / BTEX
MW-1	2-60ml vials	None	NCL	TPHD
MW-1	250 plastic	None	NCL	NO ₃ , SO ₄ , Alk
MW-1	250 plastic	None	NCL	Diss. Metals: Fe, Mn, Cr

Well Condition: Good

Remarks:

Recharged to 8.61 at sampling Time



⁷ CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Wabash • Eureka, CA 95501-2138 • 707/441-8655 • FAX: 707/441-8877 • shninfo@shn-engr.com

Water Sampling Data Sheet

Project Name:	Pierce Trust	Date/Time:	7-5-05
Project No.:	093168	Sampler Name:	David R. Paine
Location:	Crescent City	Sample Type:	Ground water
Well #:	MW-2	Weather:	Overcast
Hydrocarbon Thickness/ Depth (feet):	NA	Key Needed:	YES Dolphin

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
15.52	-	10.06	=	5.46	x	0.163	=	0.89

Time	DO (ppm)	CO ₂ (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
0917	0.98						0 gal.	
1020		350	-117				0.25 gal.	
1031	↓			1016	60.3°	6.49	1 gal.	
1135	No Flow			816	59.9°	6.55	2 gal.	Dry
1056	flow c/ll			726	60.2°	6.55	3 gal.	Dry
1130	samples	Time						

Purge Method: Hand Bail Total Volume Removed: 3.00 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-2	3-40 ml vials	YES HCl	NCL	TPHg BTEX
MW-2	2-60ml vials	None	NCL	TPHD
MW-2	250 plastic	None	NCL	NO _x , SO ₄ , AlK
MW-2	250 plastic	None	NCL	Diss. Metals: Fe, Mn, Al, Cr
MW-2	125 ml Amber	YES H ₂ SO ₄	NCL	COD

Well Condition: Good

Remarks.

Recharged to 12.17 at sampling Time



CONSULTING ENGINEERS & GEOLOGISTS, INC.

B12 W. Wabash • Eureka, CA 95501-2138 • 707/441-8855 • FAX: 707/441-8877 • shninfo@shn-enr.com

Water Sampling Data Sheet

Project Name:	<u>Pierce Trust</u>	Date/Time:	<u>7-5-05</u>
Project No.:	<u>093168</u>	Sampler Name:	<u>Aaron Melody</u>
Location:	<u>Crescent City</u>	Sample Type:	<u>Ground water</u>
Well #:	<u>MW-3</u>	Weather:	<u>Overcast</u>
Hydrocarbon Thickness/Depth (feet):	<u>NA</u>	Key Needed:	<u>YES</u> <u>Dolphin</u>

$$\text{Total Well Depth (feet)} - \text{Initial Depth to Water (feet)} = \text{Height of Water Column (feet)} \times 0.163 \text{ gal/ft (2-inch well) /} \\ 0.653 \text{ gal/ft (4-inch well)} = \text{1 Casing Volume (gal)}$$

<u>15.60</u>	<u>9.27</u>	<u>6.33</u>	<u>0.163</u>	<u>1.03</u>
--------------	-------------	-------------	--------------	-------------

Time	DO (ppm)	CO ₂ (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
0911	<u>0.94</u>						0 gal.	
1008		30	156				0.25 gal.	
1016				231	58.9	6.18	1.25 gal.	
1021	No Flow			314	58.8	6.18	2.25 gal.	
1026	Thru cell			364	58.9	6.16	3.25 gal.	
1032				373	58.8	7.00	4.25 gal.	
1036				374	58.9	7.00	5.25 gal.	
1043	1055 sample Time			389	57.0	6.16	6.25 gal	

Purge Method: Hand BailTotal Volume Removed: 6.25 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-3	3-40ml vials	YES HCl	NCL	TPHG / BTEX
MW-3	2-60ml vials	None	NCL	TPHD
MW-3	250 plastic	None	NCL	NO ₃ , SO ₄ , Alk
MW-3	250 plastic	None	NCL	Diss. Metals: Fe, Mn, Cr

Well Condition: Good

Remarks:

Recharged to 10.06 at sampling Time (1055)



CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Wabash • Eureka, CA 95501-2138 • 707/441-8855 • FAX: 707/441-8877 • shninfo@shn-enqr.com

Water Sampling Data Sheet

Project Name:	<u>Price Trust</u>	Date/Time:	<u>7-5-05</u>
Project No.:	<u>093168</u>	Sampler Name:	<u>Aaron</u>
Location:	<u>Crescent City, CA</u>	Sample Type:	<u>Ground water</u>
Well #:	<u>MW-4</u>	Weather	<u>Overcast to clear</u>
Hydrocarbon Thickness/Depth (feet):	<u>NA</u>	Key Needed:	<u>YES</u> <u>Dolphin</u>

Total Well Depth (feet)	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well)/ 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
<u>14.35</u>	<u>7.61</u>	=	<u>6.74</u>	x	<u>0.163</u>	=	<u>1.10</u>

Time	DO (ppm)	CO ₂ (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
0936	<u>0.74</u>		m				0 gal.	
1146		700	-117				0.25 gal.	
1149				1274	62°	6.25	1.25 gal.	
1154	No Flow			1076	61.5	6.27	2.25 gal.	
1156	Thru cell			1046	61.3	6.32	3.50 gal.	
1159				917	61.1	6.32	4.25 gal	
1201				974	61.3	6.34	5.75 gal	
1210	Sample time							

Purge Method: Hand BailTotal Volume Removed: 5.75 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative/ Type	Laboratory	Analyses
MW-4	3-4cm UOM's	YES HCl	NCL	TPH/G/B/TEY
MW-4	2-60ml UOM's	None	NCL	TPH/D
MW-4	125 ml Amber	YES H ₂ SO ₄	NCL	COD
MW-4	250ml plastic	None	NCL	NO ₃ , SO ₄ , AIK
MW-4	250ml plastic	None	NCL	Diss. Metals Al, Fe, CR, Pb, Ni, As, P

Well Condition: 2 stripped out flanges

Remarks:

Recharged to 8.11 at sampling Time (1210)



CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Wabash • Eureka, CA 95501-2138 • 707/441-8855 • FAX: 707/441-8877 • shninfo@shn-enr.com

11/1

Water Sampling Data Sheet

Project Name:	Perce Trust	Date/Time:	7-5-05
Project No.:	09.3168	Sampler Name:	Aaron Melody
Location:	Crescent City	Sample Type:	Ground water
Well #:	MW-5	Weather:	Overcast
Hydrocarbon Thickness/Depth (feet):	NA	Key Needed:	YES Dolphin

$$\begin{array}{l} \text{Total Well Depth} \quad \text{Initial Depth to} \quad = \quad \text{Height of Water} \\ (\text{feet}) \quad \text{Water (feet)} \quad \quad \quad \text{Column (feet)} \quad \times \quad 0.163 \text{ gal/ft (2-inch well) /} \\ 14.35 \quad - \quad 8.39 \quad = \quad 5.96 \quad \times \quad 0.653 \text{ gal/ft (4-inch well) } \end{array} = \begin{array}{l} 1 \text{ Casing Volume} \\ (\text{gal}) \end{array} = \begin{array}{l} 0.97 \end{array}$$

Time	DO (ppm)	CO ₂ (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
0930	0.66						0 gal.	
1000		70	2.0				0.25 gal.	
1114				268	60.8	6.41	1.0 gal.	
1118	No Flow			271	60.7	6.50	2.0 gal.	
1123	thin well			260	60.9	6.45	3.0 gal.	
1135	sample Time							

Purge Method: Hand Bail

Total Volume Removed: 3.00 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-5	3-40ml vials	YES HCl	NCL	TPHG / BTEX
MW-5	2-60ml vials	None	NCL	TPHD
MW-5	250 plastic	None	NCL	NO ₃ , SO ₄ , Alk
MW-5	250 plastic	None	NCL	Diss. Metals: Fe, Mn, Al, etc
MW-5	125 ml Amber	YES H ₂ SO ₄	NCL	CO ₂

Well Condition: Dry broken flange

Remarks:

Recharged to 9.23 at sampling Time (1135)



CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Webash • Eureka, CA 95501-2138 • 707/441-8855 • FAX: 707/441-8877 • shninfo@shn-engr.com

Water Sampling Data Sheet

Project Name: Pierce Trust Date/Time: 7-5-05
Project No.: 093168 Sampler Name: David R. Paine
Location: Crescent City Sample Type: Ground water
Well #: MW-6 Weather: Overcast
Hydrocarbon Thickness/Depth (feet): NA Key Needed: YES Dolphin

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	\times	0.163 gal/ft (2-inch well)/ 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
18.60	-	11.52	=	7.08	\times	0.163	=	1.15

Time	DO (ppm)	CO ₂ (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
0924	0.69						0 gal.	
1044		250	-97				0.25 gal.	
1102	↓			615	59.9°	6.41	1.25 gal.	
1107	No Flow			609	59.9°	6.47	2.50 gal.	
1114	flow off			592	60°	6.43	3.50 gal.	
1145	samples	Time						

Purge Method: Hand Bail

Total Volume Removed: 350 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-6	3-4ml vials	YES HCl	NCL	TPHG / BTEX
MW-6	2-6ml vials	None	NCL	TPHD
MW-6	250 plastic	None	NCL	NO ₃ , SO ₄ , Alk
MW-6	250 plastic	None	NCL	Diss. Metals: Fe, Mn, Al, Cr, Ni
MW-6	125 ml Amber	YES H ₂ SO ₄	NCL	cod

Well Condition: G_{good}

Remarks:

Recharged to 13.22 at sampling Time



CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Wabash • Eureka, CA 95501-2136 • 707/441-8855 • FAX: 707/441-8877 • shninfo@shn-enr.com

Water Sampling Data Sheet

Project Name:	<u>Pierce Trust</u>	Date/Time:	<u>7-5-05</u>
Project No.:	<u>093168</u>	Sampler Name:	<u>Aaron Melody</u>
Location:	<u>Crescent City</u>	Sample Type:	<u>Ground water</u>
Well #:	<u>MW-7</u>	Weather	<u>Overscast</u>
Hydrocarbon Thickness/Depth (feet):	<u>NA</u>	Key Needed:	<u>YES</u> <u>Dolphin</u>

Total Well Depth (feet)	Initial Depth to Water (feet)	=	Height of Water Column (feet)	\times	0.163 gal/ft (2-inch well)/ 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
<u>17.90</u>	<u>3.81</u>	=	<u>14.09</u>	\times	<u>0.163</u>	=	<u>2.30</u>

Time	DO (ppm)	CO ₂ (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
0857	<u>6.04</u>						0 gal.	
0910		<u>15</u>	<u>125</u>				<u>0.25</u> gal.	
0920				<u>204</u>	<u>58.5</u>	<u>6.46</u>	<u>2.50</u> gal.	
0928	No Flow			<u>205</u>	<u>58.5</u>	<u>6.54</u>	<u>5</u> gal.	
0936	Thru c'tl			<u>203</u>	<u>58.5</u>	<u>6.53</u>	<u>7.50</u> gal.	
0945	sample Time							

Purge Method: Hand BailTotal Volume Removed: 7.50 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative/ Type	Laboratory	Analyses
MW-7	3-40ml vials	YES HCl	NCL	TPHg / BTEX
MW-7	2-60ml vials	None	NCL	TPHD
MW-7	250 plastic	None	NCL	NO ₃ , SO ₄ , Alk
MW-7	250 plastic	None	NCL	Diss. Metals: Fe, Mn, Cr, Ni

Well Condition: Good

Remarks:

Recharged to 3.96 at sampling Time (0945)

Client Name: **PRICE TRUST PROPERTIES**

The water from your site: **9th & L STREETS CRESCENT CITY,
CA UST # 1TDN030**

SHN ref #: **093168** Collected On: **4/4/05**

Has been tested and certified as acceptable to be discharged into the City of
Eureka municipal sewer system.

Amount Discharged: **42 GALLONS**

Date Discharged: **4/29/05**

Certified by: **DAVID R. PAINÉ**

SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.
City of Eureka Wastewater Discharge Permit #65

Client Name:

PRICE TRUST PROPERTIES

The water from your site:

**9th & L STREETS CRESCENT CITY,
CA UST # 1TDN030**

SHN ref #

093168

Collected On:

7/5/05

Has been tested and certified as acceptable to be discharged into the City of Eureka municipal sewer system.

Amount Discharged:

37 GALLONS

Date Discharged:

7/21/05

Certified by:

DAVID R. PAINÉ

SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.

City of Eureka Wastewater Discharge Permit #65

Attachment 2

Historic Monitoring Data

Table 2-1
Groundwater Elevation Summary
Price Trust Property, Crescent City, California

Sample Location	Date Measured	Top of Casing Elevation (feet MSL) ¹	Depth to Water ² (feet)	Groundwater Elevation (feet MSL)
MW-1	01/12/01	30.44	9.87	20.57
	04/05/01		9.38	21.06
	10/12/01	30.44 ³	11.90	18.54
	01/09/02		5.06	25.38
	04/05/02		7.66	22.78
	07/02/02		9.57	20.87
	10/09/02		11.63	18.81
	12/05/02		12.86	17.58
	01/06/03		5.81	24.63
	04/08/03		5.10	25.34
	07/09/03		9.10	21.34
	10/08/03		11.18	19.26
	01/07/04		5.52	24.92
	04/14/04		7.55	22.89
	07/08/04		9.82	20.62
	11/01/04		10.76	19.68
	11/23/04		11.87	18.57
	01/11/05		6.99	23.45
MW-2	04/04/05		6.42	24.02
	07/05/05		8.52	21.92
	01/12/01	30.53	10.72	19.81
	04/05/01		10.49	20.04
	10/12/01	30.46 ³	12.88	17.58
	01/09/02		7.78	22.68
	04/05/02		9.43	21.03
	07/02/02		10.81	19.65
	10/09/02		12.48	17.98
	12/05/02		12.32	18.14
	01/06/03		8.14	22.32
	04/08/03		7.82	22.64
	07/09/03		10.53	19.93
	10/08/03		12.11	18.35
	01/07/04		8.84	21.62
	04/14/04		9.43	21.03
	07/08/04		11.05	19.41
	11/01/04		11.07	19.39
	11/23/04		11.35	19.11
	01/11/05		9.02	21.44
MW-3	04/04/05		8.16	22.30
	07/05/05		10.06	20.40
	01/12/01	28.52	9.73	18.79
	04/05/01		9.81	18.71
	10/12/01	28.51 ³	11.42	17.09
	01/09/02		7.78	20.73
	04/05/02		9.20	19.31

Table 2-1
Groundwater Elevation Summary
Price Trust Property, Crescent City, California

Sample Location	Date Measured	Top of Casing Elevation (feet MSL) ¹	Depth to Water ² (feet)	Groundwater Elevation (feet MSL)
MW-3 cont'd	07/02/02		10.04	18.47
	10/09/02		11.17	17.34
	12/05/02		11.18	17.33
	01/06/03		8.15	20.36
	04/08/03		7.86	20.65
	07/09/03		9.72	18.79
	10/08/03		10.78	17.73
	01/07/04		7.89	20.62
	04/14/04		8.93	19.58
	07/08/04		9.91	18.60
	11/01/04		10.15	18.36
	11/23/04		10.26	18.25
	01/11/05		8.22	20.29
	04/04/05		7.73	20.78
	07/05/05		9.27	19.24
MW-4	04/05/01	29.33	8.50	20.83
	10/12/01	29.35 ³	10.94	18.41
	01/09/02		4.72	24.63
	04/05/02		6.87	22.48
	07/02/02		8.64	20.71
	10/09/02		10.67	18.68
	12/05/02		10.86	18.49
	01/06/03		5.30	24.05
	04/08/03		4.66	24.69
	07/09/03		8.21	21.14
	10/08/03		10.21	19.14
	01/07/04		5.18	24.17
	04/14/04		6.79	22.56
	07/08/04		8.88	-8.88
MW-5	11/01/04		9.78	19.57
	11/23/04		9.89	19.46
	01/11/05		6.19	23.16
	04/04/05		5.67	23.68
	07/05/05		7.61	21.74
	04/05/01	29.09	9.12	19.97
	10/12/01	29.09 ³	11.45	17.64
	01/09/02		6.06	23.03
	04/05/02		7.88	21.21
	07/02/02		9.44	19.65

Table 2-1
Groundwater Elevation Summary
Price Trust Property, Crescent City, California

Sample Location	Date Measured	Top of Casing Elevation (feet MSL) ¹	Depth to Water ² (feet)	Groundwater Elevation (feet MSL)
MW-5 cont'd	01/07/04	29.09 ³	6.35	22.74
	04/14/04		6.67	22.42
	07/08/04		9.52	19.57
	11/01/04		10.11	18.98
	11/23/04		10.20	18.89
	01/11/05		6.91	22.18
	04/04/05		6.26	22.83
	07/05/05		8.39	20.70
MW-6	10/12/01	31.14 ³	14.01	17.13
	01/09/02		9.41	21.73
	04/05/02		11.29	19.85
	07/02/02		12.44	18.70
	10/09/02		13.75	17.39
	12/05/02		13.72	17.42
	01/06/03		9.86	21.28
	04/08/03		9.61	21.53
	07/09/03		12.10	19.04
	10/08/03		13.35	17.79
	01/07/04		9.69	21.45
	04/14/04		11.19	19.95
	07/08/04		12.41	18.73
	11/01/04		12.64	18.50
	11/23/04		12.76	18.38
MW-7	01/11/05		10.27	20.87
	04/04/05		9.55	21.59
	07/05/05		11.52	19.62
	12/05/02	22.13 ³	5.85	16.28
	01/06/03		2.77	19.36
	04/08/03		2.61	19.52
	07/09/03		4.70	17.43
	10/08/03		5.61	16.52
	01/07/04		2.51	19.69
	04/14/04		3.40	18.73
	07/08/04		4.83	17.30
	11/01/04		5.08	17.05

1. MSL: Mean Sea Level.
2. Below Top of Casing
3. On November 2, 2001, well was resurveyed, and well elevations were referenced to well MW-1 to the nearest 0.01-foot.

Table 2-2
Summary of Groundwater Flow Direction and Gradient
Price Trust Property, Crescent City, California

Date Measured	Groundwater Flow Direction	Groundwater Gradient (feet per foot)
01/12/01	East	0.015
04/05/01	East	0.020
10/12/01	Northeast	0.018
01/09/02	Northeast	0.035
04/05/02	Northeast	0.029
07/02/02	Northeast	0.020
10/09/02	Northeast	0.013
12/05/02	Northeast	0.032
01/06/03	Northeast	0.039
04/08/03	Northeast	0.029
07/09/03	Northeast	0.035
10/08/03	Northeast	0.026
01/07/04	Northeast	0.040
04/14/04	Northeast	0.030
07/08/04	Northeast	0.030
11/01/04	Northeast	0.018
01/11/05	Northeast	0.030
04/04/05	Northeast	0.030
7/5/2005	Northeast	0.032

Table 2-3
Groundwater Analytical Summary
Price Trust Property, Crescent City, California
(in ug/L)¹

Sample Location	Sample Date	TPHMO ²	TPHD ²	TPHG ³	B ⁴	T ⁴	E ⁴	X ⁴	MTBE ⁴	N ⁵
MW-1	01/12/01	<170 ⁶	<50	<50	<0.50	<0.50	<0.50	<0.50	NA ⁷	NA
	04/05/01	NA	NA	<50	<0.50	<0.50	<0.50	<0.50	<3.0	NA
	10/12/01	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
	01/09/02	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	<1.0	NA
	04/05/02	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5
	07/02/02	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	10/09/02	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	<2.5
	01/06/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	04/08/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	07/09/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	10/08/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	01/07/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	04/14/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	07/08/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	11/01/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	01/11/05	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	04/04/05	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	NA
	07/05/05	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-2	01/12/01	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	04/05/01	NA	NA	50	<0.50	<1.0	<0.50	<0.50	<3.0	NA
	10/12/01	740	<50	64	<0.50	<0.50	<0.50	0.56	<0.50	<2.5
	01/09/02	<170	<50	79	<0.50	<0.50	<0.50	0.52	<1.0	NA
	04/05/02	<170	<50	65	<0.50	<0.50	<0.50	0.51	<1.0	<2.5
	07/02/02	<170	<50	51	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	10/09/02	<170	<50	72	<0.50	<0.50	<0.50	<0.50	<3.0	<2.5
	01/06/03	NA	<50	52	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	04/08/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	07/09/03	NA	<50	<50	<0.50	<1.1	<0.50	<0.50	NA	<2.5
	10/08/03	NA	<50	92	<0.50	<0.50	<0.50	<0.50	NA	NA
	01/07/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	04/14/04	NA	<50	84	<1.0	<2.0	<0.50	<0.50	NA	NA
	07/08/04	NA	<50	74	<0.50	<1.0	<0.50	<0.50	NA	NA
	11/01/04	NA	<50	60	<0.50	<0.50	<0.50	<0.50	NA	NA
	01/11/05	NA	<50	81	<0.50	<0.50	<0.50	<0.50	NA	NA
	04/04/05	NA	<50	68	<1.0	<2.0	<0.50	<0.50	<3.0	NA
	07/05/05	NA	<50	69	<1.0	1.1	<0.50	<0.50	NA	NA
MW-3	01/12/01	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	04/05/01	NA	NA	<50	<0.50	<0.50	<0.50	<0.50	<3.0	NA
	10/12/01	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
	01/09/02	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	<1.0	NA
	04/05/02	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5
	07/02/02	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	10/09/02	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	<2.5
	01/06/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	04/08/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	07/09/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	10/08/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	01/07/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA

Table 2-3
Groundwater Analytical Summary
Price Trust Property, Crescent City, California
(in ug/L)¹

Sample Location	Sample Date	TPHMO ²	TPHD ²	TPHG ³	B ⁴	T ⁴	E ⁴	X ⁴	MTBE ⁴	N ⁵
MW-3 (cont'd)	04/14/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	07/08/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	11/01/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	01/11/05	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	04/04/05	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	NA
	07/05/05	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-4	04/05/01	<170	1,700	13,000	230	110	120	990	230	NA
	10/12/01	<170	1,300	11,000	<2.5	<2.5	670	66.9	<2.5	270
	01/09/02	<170	260	7,000	<0.50	0.68	420	32.79	<1.0	NA
	04/05/02	<170	420	13,000	<0.50	0.84	760	78.6	<1.0	230
	07/02/02	<170	990	16,000	69	120	800	63	NA	270
	10/09/02	<170	710	15,000	<160	<300	850	<150	<400	210
	01/06/03	NA	1,200	9,900	<90	<170	460	<70	NA	100
	04/08/03	NA	1,100	7,800	<70	<180	520	51	NA	200
	07/09/03	NA	1,200	12,000	<120	<280	640	53	NA	130
	10/08/03	NA	530	13,000	<120	130	580	<80	NA	50
	01/07/04	NA	1,100	8,300	<80	<180	390	27	NA	NA
	04/14/04	NA	960	11,000	<90	<240	500	<75	NA	NA
	07/08/04	NA	1,700	12,000	<100	<250	590	<80	NA	NA
	11/01/04	NA	1,900	12,000	<0.50	0.84	390	25.64	NA	NA
	11/23/04	NA	NA	12,000	<250	190	580	82	NA	NA
	01/11/05	NA	1,400	13,000	<0.50	0.96	<0.50	29.76	NA	NA
	04/04/05	NA	2,100	9,100	<90	<300	540	<40	<180	NA
	07/05/05	NA	1,900	12,000	52	140	510	35	NA	NA
MW-5	04/05/01	NA	NA	6,200	<25	<60	62	<25	39	NA
	10/12/01	<170	590	4,400	<1.0	1.1	19	4.8	<1.0	11
	01/09/02	<170	140	3,700	<0.50	0.73	18	5.2	<1.0	NA
	04/05/02	<170	160	4,300	<0.50	0.5	21	7.03	<1.0	6.3
	07/02/02	<170	330	5,100	<45	<40	<50	<26	NA	<5.0
	10/09/02	<170	220	4,600	<12	<70	<50	<35	<75	3.9
	01/06/03	NA	730	5,200	<15	<75	<40	<40	NA	4
	04/08/03	NA	520	3,700	<15	<66	<50	<25	NA	3.8
	07/09/03	NA	470	3,900	<9.5	<60	<30	24	NA	2.7
	10/08/03	NA	210	4,100	<5.0	<56	<38	<17	NA	<2.5
	01/07/04	NA	630	3,400	<55	<55	<30	<14	NA	NA
	04/14/04	NA	320	2,500	<5.0	<40	<25	<14	NA	NA
	07/08/04	NA	630	3,400	<35	<40	<20	<10	NA	NA
	11/01/04	NA	750	3,700	<0.50	<0.50	3.3	0.85	NA	NA
	11/23/04	NA	NA	3,600	<20	<60	<30	<40	NA	NA
	01/11/05	NA	550	2,300	<0.50	<0.50	3.6	0.8	NA	NA
	04/04/05	NA	450	2,900	<10	<30	<20	<10	<12	NA
	07/05/05	NA	470	2,700	<3.5	<40	<20	<15	NA	NA
MW-6	10/12/01	<170	420	5,700	11	4.4	96	31.9	<1.0	16
	01/09/02	<170	130	5,900	19	7.2	180	43.4	<1.0	NA
	04/05/02	<170	79	2,500	9.6	2.8	35	15.4	<1.0	6.7
	07/02/02	<170	140	2,900	<50	<41	31	14	NA	<2.5
	10/09/02	<170	100	3,300	32	<41	67	23	<100	2.7
	01/06/03	NA	410	4,300	<100	<80	120	24	NA	8.7

Table 2-3
Groundwater Analytical Summary
Price Trust Property, Crescent City, California
(in ug/L)¹

Sample Location	Sample Date	TPHMO ²	TPHD ²	TPHG ³	B ⁴	T ⁴	E ⁴	X ⁴	MTBE ⁴	N ⁵
MW-6 (cont'd)	04/08/03	NA	160	1,200	18	<20	24	7.3	NA	3.8
	07/09/03	NA	200	1,700	21	<40	29	11	NA	3.1
	10/08/03	NA	92	2,500	<38	<38	25	11	NA	<2.5
	01/07/04	NA	270	3,000	44	<60	92	16	NA	NA
	04/14/04	NA	140	1,300	<20	<24	16	6.9	NA	NA
	07/08/04	NA	210	1,400	<20	<20	15	6.6	NA	NA
	11/01/04	NA	290	2,200	8.7	3.9	12	15.5	NA	NA
	11/23/04	NA	NA	5,200	85	58	220	58	NA	NA
	01/11/05	NA	310	3,000	5.2	2.8	120	24.9	NA	NA
	04/04/05	NA	450	4,500	<140	<100	320	48	<200	NA
	07/05/05	NA	370	3,300	49	38	100	36	NA	NA
MW-7	12/05/02	<170	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	<2.5
	01/06/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	04/08/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	07/09/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	10/08/03	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<2.5
	01/07/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	04/14/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	07/08/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	11/01/04	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	01/11/05	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	04/04/05	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	NA
	07/05/05	NA	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA

1. ug/L: micrograms per Liter
2. Total Petroleum Hydrocarbons as Motor Oil (TPHMO) and as Diesel (TPHD) analyzed in general accordance with EPA Method 8015B
3. Total Petroleum Hydrocarbons as Gasoline (TPHG) analyzed in general accordance with EPA Method 8015B
4. Benzene (B), Toluene (T), Ethylbenzene (E), total Xylenes (X), and Methyl Tertiary-Butyl Ether (MTBE) analyzed in general accordance with EPA Method 8021B or 8260B
5. Naphthalene (N) analyzed in general accordance with EPA Method 8310
6. <: Denotes a value that is "less than" the method detection limit.
7. NA: Not Analyzed

Table 2-4 Summary of Natural Attenuation Results Price Trust Property, Crescent City, California									
Sample Location	Sample Date	DO ¹ (ppm) ²	DCO ₂ ¹ (ppm)	ORP ¹ (ppm)	Diss. Fe ³ (ug/L) ⁴	NO ₃ ⁵ (mg/L) ⁸	SO ₄ ⁵ (mg/L)	Alk ⁷ (mg/L)	Methane ⁸ (ug/L)
MW-1	01/12/01	2.50	40	140	<100 ⁹	2.0	16	66	NA ¹⁰
	04/05/01	4.36	45	99	<100	0.76	11	86	<0.010
	10/12/01	1.18	40	39	NA	NA	NA	NA	NA
	01/09/02	3.42	40	50	NA	NA	NA	NA	NA
	04/05/02	3.48	35	127	NA	NA	NA	NA	NA
	07/02/02	3.37	30	151	<100	NA	NA	NA	NA
	10/09/02	3.55	40	177	<100	NA	NA	NA	NA
	01/06/03	4.03	40	223	<100	NA	NA	NA	NA
	04/08/03	6.55	30	256	<100	NA	NA	NA	NA
	07/09/03	3.99	30	275	<100	NA	NA	NA	NA
	10/08/03	4.12	25	281	NA	NA	NA	NA	NA
	01/07/04	5.47	20	303	NA	NA	NA	NA	NA
	04/14/04	5.49	25	264	NA	NA	NA	NA	NA
	07/08/04	4.19	40	106	NA	NA	NA	NA	NA
	11/01/04	3.53	25	85	<500	0.96	16	72	NA
	11/23/04	5.70	60	1.25	NA	NA	NA	NA	NA
	01/11/05	6.86	25	-15	<300	0.30	26	52	NA
	04/04/05	8.14	30	124	<100	0.21	24	57	NA
	07/05/05	4.01	25	149	<100	1.10	14	62	NA
MW-2	01/12/01	0.73	120	79	9,700	<0.10	2.9	190	NA
	04/05/01	1.48	125	80	21,000	<0.10	<0.50	220	8.3
	10/12/01	0.61	150	22	NA	NA	NA	NA	NA
	01/09/02	0.28	120	128	NA	NA	NA	NA	NA
	04/05/02	0.91	100	148	NA	NA	NA	NA	NA
	07/02/02	0.48	120	188	19,000	NA	NA	NA	NA
	10/09/02	0.36	120	161	20,000	NA	NA	NA	NA
	01/06/03	0.34	160	209	18,000	NA	NA	NA	NA
	04/08/03	0.37	80	254	18,000	NA	NA	NA	NA
	07/09/03	0.53	130	277	26,000	NA	NA	NA	NA
	10/08/03	0.89	140	275	NA	NA	NA	NA	NA
	01/07/04	0.60	120	293	NA	NA	NA	NA	NA
	04/14/04	0.69	100	260	NA	NA	NA	NA	NA
	07/08/04	0.65	180	-98	NA	NA	NA	NA	NA
	11/01/04	0.75	80	27	6,100	<0.10	2.4	160	NA
	11/23/04	3.03	215	-16	NA	NA	NA	NA	NA
	01/11/05	0.86	370	-71	52,000	<0.10	1.2	420	NA
	04/04/05	0.80	90	70	38,000	<0.10	0.93	430	NA
	07/05/05	0.98	350	-117	25,000	<0.10	<0.50	350	NA
MW-3	01/12/01	0.71	40	27	280	<0.10	11	95	NA
	04/05/01	1.26	50	81	530	<0.10	11	230	<0.010
	10/12/01	0.29	60	56	NA	NA	NA	NA	NA
	01/09/02	0.28	50	141	NA	NA	NA	NA	NA
	04/05/02	0.26	40	151	NA	NA	NA	NA	NA
	07/02/02	0.29	30	188	720	NA	NA	NA	NA
	10/09/02	0.78	35	195	600	NA	NA	NA	NA
	01/06/03	0.41	65	224	190	NA	NA	NA	NA
	04/08/03	0.40	35	258	340	NA	NA	NA	NA
	07/09/03	0.50	30	273	270	NA	NA	NA	NA
	10/08/03	0.55	25	284	NA	NA	NA	NA	NA

Table 2-4 Summary of Natural Attenuation Results Price Trust Property, Crescent City, California									
Sample Location	Sample Date	DO ¹ (ppm) ²	DCO ₂ ¹ (ppm)	ORP ¹ (ppm)	Diss. Fe ³ (ug/L) ⁴	NO ₃ ⁵ (mg/L) ⁸	SO ₄ ⁵ (mg/L)	Alk ⁷ (mg/L)	Methane ⁸ (ug/L)
MW-3 (cont'd)	01/07/04	0.71	20	294	NA	NA	NA	NA	NA
	04/14/04	0.73	25	253	NA	NA	NA	NA	NA
	07/08/04	0.61	40	61	NA	NA	NA	NA	NA
	11/01/04	0.76	30	91	<500	<0.10	13	69	NA
	11/23/04	2.54	50	132	NA	NA	NA	NA	NA
	01/11/05	1.06	20	53	<300	<0.10	12	80	NA
	04/04/05	0.82	75	116	2,600	<0.10	9.8	180	NA
	07/05/05	0.74	30	156	780	<0.10	8.8	170	NA
MW-4	04/05/01	1.81	150	110	41,000	<0.10	11	100	4.6
	10/12/01	0.15	325	15	NA	NA	NA	NA	NA
	01/09/02	0.18	120	75	NA	NA	NA	NA	NA
	04/05/02	0.21	150	123	NA	NA	NA	NA	NA
	07/02/02	1.06	170	153	44,000	NA	NA	NA	NA
	10/09/02	0.29	80	147	29,000	NA	NA	NA	NA
	01/06/03	0.31	170	152	32,000	NA	NA	NA	NA
	04/08/03	0.39	100	232	24,000	NA	NA	NA	NA
	07/09/03	0.41	110	256	26,000	NA	NA	NA	NA
	10/08/03	0.53	120	-201	NA	NA	NA	NA	NA
	01/07/04	0.93	150	278	NA	NA	NA	NA	NA
	04/14/04	0.76	120	242	NA	NA	NA	NA	NA
	07/08/04	0.63	200	-84	NA	NA	NA	NA	NA
	11/01/04	0.75	120	-18	22,000	0.11	1.5	120	NA
	11/23/04	3.28	215	60	NA	NA	NA	NA	NA
	01/11/05	0.86	750	-77	230,000	0.28	7.9	530	NA
	04/04/05	0.73	NM	-95	140,000	<0.10	6.1	480	NA
	07/05/05	0.74	700	-117	110,000	<0.10	11	310	NA
MW-5	04/05/01	0.91	120	96	14,000	<0.10	3.1	320	4.3
	10/12/01	0.16	250	51	NA	NA	NA	NA	NA
	01/09/02	0.19	100	111	NA	NA	NA	NA	NA
	04/05/02	0.21	50	114	NA	NA	NA	NA	NA
	07/02/02	0.27	60	135	12,000	NA	NA	NA	NA
	10/09/02	0.29	120	154	13,000	NA	NA	NA	NA
	01/06/03	0.33	165	171	17,000	NA	NA	NA	NA
	04/08/03	0.61	45	236	12,000	NA	NA	NA	NA
	07/09/03	0.40	50	255	24,000	NA	NA	NA	NA
	10/08/03	0.52	60	-205	NA	NA	NA	NA	NA
	01/07/04	0.56	80	274	NA	NA	NA	NA	NA
	04/14/04	5.60	30	240	NA	NA	NA	NA	NA
	07/08/04	0.57	70	-87	NA	NA	NA	NA	NA
	11/01/04	0.69	70	13	6,900	<0.10	1.7	96	NA
	11/23/04	2.79	200	3	NA	NA	NA	NA	NA
	01/11/05	0.82	195	10	14,000	<0.10	1.5	170	NA
	04/04/05	0.95	140	-28	22,000	<0.10	0.76	190	NA
	07/05/05	0.66	70	2	15,000	<0.10	1.3	79	NA

Table 2-4 Summary of Natural Attenuation Results Price Trust Property, Crescent City, California									
Sample Location	Sample Date	DO ¹ (ppm) ²	DCO ₂ ¹ (ppm)	ORP ¹ (ppm)	Diss. Fe ³ (ug/L) ⁴	NO ₃ ⁵ (mg/L) ⁸	SO ₄ ⁵ (mg/L)	Alk ⁷ (mg/L)	Methane ⁸ (ug/L)
MW-6	10/12/01	0.16	150	62	NA	NA	NA	NA	NA
	01/09/02	0.20	120	121	NA	NA	NA	NA	NA
	04/05/02	0.44	100	103	NA	NA	NA	NA	NA
	07/02/02	0.26	100	188	29,000	NA	NA	NA	NA
	10/09/02	0.29	120	154	25,000	NA	NA	NA	NA
	01/06/03	0.33	160	177	24,000	NA	NA	NA	NA
	04/08/03	0.29	95	244	27,000	NA	NA	NA	NA
	07/09/03	0.44	80	266	11,000	NA	NA	NA	NA
	10/08/03	0.48	100	268	NA	NA	NA	NA	NA
	01/07/04	0.57	90	280	NA	NA	NA	NA	NA
	04/14/04	0.61	70	245	NA	NA	NA	NA	NA
	07/08/04	0.58	100	-93	NA	NA	NA	NA	NA
	11/01/04	0.69	220	-45	22,000	<0.10	1.7	150	NA
	11/23/04	2.85	850	-8	NA	NA	NA	NA	NA
	01/11/05	0.92	500	-2	42,000	<0.10	1.5	170	NA
	04/04/05	0.74	200	-8	38,000	<0.10	<0.50	180	NA
	07/05/05	0.69	250	-97	41,000	<0.10	<0.50	230	NA
MW-7	12/05/02	1.82	20	244	<100	NA	NA	NA	NA
	01/06/03	4.81	15	168	<100	NA	NA	NA	NA
	04/08/03	6.96	20	224	<100	NA	NA	NA	NA
	07/09/03	6.33	20	249	<100	NA	NA	NA	NA
	10/08/03	3.92	20	265	NA	NA	NA	NA	NA
	01/07/04	5.92	15	276	NA	NA	NA	NA	NA
	04/14/04	7.21	15	246	NA	NA	NA	NA	NA
	07/08/04	5.78	40	115	NA	NA	NA	NA	NA
	11/01/04	4.81	20	98	<500	1.3	11	65	NA
	11/23/04	6.02	40	117	NA	NA	NA	NA	NA
	01/11/05	5.52	20	100	<300	1.7	10	62	NA
	04/04/05	6.91	15	113	<100	1.8	11	63	NA
	07/05/05	6.04	15	125	<100	1.7	11	64	NA
1. Dissolved Carbon Dioxide (DCO ₂) measured with a field test kit, Dissolved Oxygen (DO), and Oxidation-Reduction Potential (ORP) measured with portable equipment 2. ppm: parts per million 3. Dissolved iron (Diss. Fe) analyzed in general accordance with EPA Method 200.7 4. ug/L: micrograms per Liter 5. Nitrate (NO ₃) and Sulfate (SO ₄) analyzed in general accordance with EPA Method 300.0 6. mg/L: milligrams per Liter 7. Alkalinity (Alk) analyzed in general accordance with EPA Method 2320B 8. Dissolved Methane (Methane) analyzed in general accordance with RSK-175 9. <: Denotes a value that is "less than" the method detection limit. 10. NA: Not Analyzed									

Table 2-5
Summary of Inorganic Analysis
Price Trust Property, Crescent City, California
(in mg/L)¹

Sample Location	Sample Date	Ammonia Nitrogen	COD ²	TPP ³	TDS ⁴	H ₂ O ₂ ⁵	Citric Acid
MW-1	11/1/04	<0.20 ⁶	<5.0	<0.020	130	NA ⁷	NA
	1/11/05	<0.20	13	0.054	130	8.5	<10
	4/4/05	NA	NA	NA	NA	NA	NA
	7/5/05	NA	NA	NA	NA	NA	NA
MW-2	11/1/04	1.5	30	0.075	200	NA	<10
	1/11/05	1.3	630	0.063	830	5.5	<10
	4/4/05	NA	48	NA	NA	NA	NA
	7/5/05	NA	37	NA	NA	NA	NA
MW-3	11/1/04	<0.20	13	0.032	140	NA	NA
	1/11/05	<0.20	6.0	0.038	150	0.9	<10
	4/4/05	NA	NA	NA	NA	NA	NA
	7/5/05	NA	NA	NA	NA	NA	NA
MW-4	11/1/04	0.39	61	0.17	160	NA	NA
	1/11/05	0.32	830	0.23	1,100	35.2	<10
	4/4/05	NA	240	NA	NA	NA	NA
	7/5/05	NA	120	NA	NA	NA	NA
MW-5	11/1/04	0.22	46	0.23	140	NA	NA
	1/11/05	<0.20	110	0.074	280	2.1	<10
	4/4/05	NA	26	NA	NA	NA	NA
	7/5/05	NA	30	NA	NA	NA	NA
MW-6	11/1/04	2.6	61	0.13	190	NA	NA
	1/11/05	2.1	280	0.23	370	1.1	<10
	4/4/05	NA	74	NA	NA	NA	NA
	7/5/05	NA	48	NA	NA	NA	NA
MW-7	11/1/04	<0.20	8.2	0.12	140	NA	NA
	1/11/05	<0.20	<5.0	0.003	140	1.0	<10
	4/4/05	NA	NA	NA	NA	NA	NA
	7/5/05	NA	NA	NA	NA	NA	NA

1. mg/L: milligrams per Liter

2. COD: Chemical Oxygen Demand analyzed in general accordance with EPA Method No. 410.4

3. TPP: Total Phosphate as Phosphorous analyzed in general accordance with EPA Method No. 365.2

4. TDS: Total Dissolved Solids analyzed in general accordance with EPA Method No. 160.1

5. H₂O₂: Hydrogen peroxide analyzed by titration

6. <: Denotes a value that is "less than" the method detection limit.

7. NA: Not Analyzed

Table 2-6
Summary of Dissolved Metal Analysis
Price Turst Property, Crescent City, California
(in ug/L)¹

Sample Location	Sample Date	Fe ²	Be ²	Al ²	V ²	Cr ²	Mn ²	Co ²	Ni ²	Cu ²	Zn ²	As ²	Se ²	Mo ²	Ag ²	Cd ²	Sb ²	Ba ²	Hg ²	Tl ²	Pb ²	U ²	
CA Primary MCL ³ (sec) ⁴	300	4	1,000	NA ⁵	50	50	5,000	100	1,300	50	50	NA	100	1,000	5	6	1,000	2	2	15	NA		
MW-1 11/1/04 <500 ⁶	<4.0	<200	<3.0	<5.0	<5.0	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	
1/11/05 <300	<4.0	<200	<3.0	9.5	<5.0	7.2	<10	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<2.0	<5.0	<5.0	
4/4/05 <100	NA	NA	NA	<10	<2.0	NA	NA																
7/5/05 <100	NA	NA	NA	<10	<2.0	NA	NA																
MW-2 11/1/04 6,100	<4.0	<200	<3.0	<5.0	<5.0	<5.0	<10	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<2.0	<5.0	<5.0	
1/11/05 52,000	<4.0	2,600	<3.0	16	3,100	<5.0	10	<10	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<300	<1.0	<2.0	<5.0	<5.0
4/4/05 38,000	NA	<100	NA	<10	2,400	NA	NA																
7/5/05 25,000	NA	<100	NA	<10	1,400	NA	NA																
MW-3 11/1/04 <500	<4.0	<200	<3.0	<5.0	880	5.8	<5.0	<10	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<2.0	<5.0	<5.0
1/11/05 <300	<4.0	<200	<3.0	<5.0	620	<5.0	9.4	<10	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<2.0	<5.0	<5.0
4/4/05 2,600	NA	NA	NA	<10	2,300	NA	NA																
7/5/05 780	NA	NA	NA	<10	1,800	NA	NA																
MW-4 11/1/04 22,000	<4.0	<200	<3.0	<5.0	<5.0	<5.0	<10	<100	11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	8.7	<1.0	<2.0	<5.0	<5.0
1/11/05 230,000	<4.0	1,400	<3.0	210	7,800	6.1	12	<10	<100	12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	41	<1.0	<2.0	45	<5.0
4/4/05 140,000	NA	620	NA	53	5,300	NA	<20	NA	NA	<10	NA	NA											
7/5/05 110,000	NA	<100	NA	35	4,000	NA	<20	NA	NA	19	NA	NA											
MW-5 11/1/04 6,900	<4.0	<200	<3.0	<5.0	1,700	<5.0	<10	<100	5.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	6.8	<1.0	<2.0	<5.0	<5.0
1/11/05 14,000	<4.0	770	<3.0	45	3,500	<5.0	6.1	<10	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	9.1	<1.0	<2.0	<5.0	<5.0
4/4/05 22,000	NA	<100	NA	NA	1,600	NA	NA																
7/5/05 15,000	NA	<100	NA	NA	2,600	<5.0	<10	<100	14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	25	<1.0	<2.0	<5.0	<5.0
MW-6 11/1/04 22,000	<4.0	<200	<3.0	<5.0	58	5,400	10	26	<10	<100	5.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	45	<1.0	<2.0	<5.0	<5.0
1/11/05 42,000	<4.0	720	<3.0	40	3,500	NA	<20	NA	<10	NA	NA	<10	NA	NA									
4/4/05 38,000	NA	<100	NA	<10	3,500	NA	<20	NA	NA	15	NA	NA											
7/5/05 41,000	NA	<100	NA	<10	4,300	NA	<20	NA	NA	15	NA	NA											
MW-7 11/1/04 <500	<4.0	<200	<3.0	13	<5.0	<5.0	17	<10	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<2.0	<5.0	<5.0
1/11/05 <300	<4.0	<200	<3.0	21	<5.0	<5.0	14	<10	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<2.0	<5.0	<5.0
4/4/05 <100	NA	NA	NA	17	<2.0	NA	<20	NA	NA														
7/5/05 <100	NA	NA	NA	17	<2.0	NA	<20	NA	NA														

1. ug/L: micrograms per Liter
2. Metals abbreviated as follows:

Fe: Iron
Be: Beryllium
Al: Aluminum
V: Vanadium
Cr: Chromium
Mn: Manganese

Co: Cobalt
Ni: Nickel
Cu: Copper
Zn: Zinc
As: Arsenic
Se: Selenium

Tl: Thallium
Ph: Lead
Cd: Cadmium
Sb: Antimony
Ba: Barium
Hg: Mercury

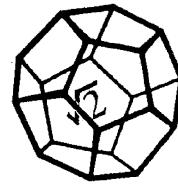
3. CA Primary MCL, California Department of Health Services Primary Maximum Contaminant Level (Marshack, 2004)

4. sec: California Department of Health Services Secondary Maximum Contaminant Level (Marshack, 2004)

5. NA: Not Available

6. < Denotes a value that is "less than" the method detection limit.

Attachment 3
Laboratory Analytical Reports



**NORTH COAST
LABORATORIES LTD.**

July 15, 2005

Pvt. cust. paying on pickup

Order No.: 0507056

Invoice No.: 51391

PO No.:

ELAP No. 1247-Expires July 2006

Attn: Charlene Patterson-Patterson Accountancy Corp.

RE: 093168, Price Trust Properties

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	MW-7
01D	MW-7
01F	MW-7
01G	MW-7 (Dissolved)
02A	MW-1
02D	MW-1
02F	MW-1
02G	MW-1 (Dissolved)
03A	MW-3
03D	MW-3
03F	MW-3
03G	MW-3 (Dissolved)
04A	MW-2
04D	MW-2
04F	MW-2
04G	MW-2 (Dissolved)
04H	MW-2
05A	MW-6
05D	MW-6
05F	MW-6
05G	MW-6 (Dissolved)
05H	MW-6
06A	MW-5
06D	MW-5
06F	MW-5
06G	MW-5 (Dissolved)
06H	MW-5
07A	MW-4

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Laboratory Supervisor(s)

QA Unit

Jesse G. Chaney, Jr.
Laboratory Director

5680 West End Road • Arcata California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Printed on Recycled Paper

July 15, 2005

Pvt. cust. paying on pickup

,

Attn: Charlene Patterson-Patterson Accountancy

RE: 093168, Price Trust Properties

Order No.: 0507056

Invoice No.: 51391

PO No.:

ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

07D	MW-4
07F	MW-4
07G	MW-4 (Dissolved)
07H	MW-4

CLIENT: Pvt. cust. paying on pickup
Project: 093168, Price Trust Properties
Lab Order: 0507056

CASE NARRATIVE**TPH as Gasoline:**

Sample MW-5 does not present a peak pattern consistent with that of gasoline. The reported result represents the amount of material in the gasoline range.

The gasoline values for samples MW-2, MW-6 and MW-4 include the reported gasoline components in addition to other peaks in the gasoline range.

BTEX:

Some reporting limits were raised for sample MW-5 due to matrix interference.

Samples MW-5 and MW-4 were diluted and the reporting limits were raised additionally due to matrix interference.

The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries were above the upper acceptance limit for the surrogate. The LCS/LCSD recoveries were within the acceptance limits for all of the analytes; therefore, the data were accepted.

TPH as Diesel:

Samples MW-6, MW-5 and MW-4 contain some material lighter than diesel. However, some of this material extends into the diesel range of molecular weights. These samples also contain material in the diesel range of molecular weights, but the material does not exhibit the peak pattern typical of diesel oil.

The surrogate recovery for sample MW-4 was outside of the acceptance limits. The surrogate recoveries for the quality control samples were within the acceptance limits. This indicates that the low surrogate recovery may be due to matrix effects from the sample.

Date: 18-Jul-05
WorkOrder: 0507056

ANALYTICAL REPORT

Client Sample ID: MW-7
Lab ID: 0507056-01A

Received: 7/5/05

Collected: 7/5/05 9:45

Test Name: BTEX

Reference: EPA 5030/EPA 8021B

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Benzene	ND	0.50	µg/L	1.0		7/13/05
Toluene	ND	0.50	µg/L	1.0		7/13/05
Ethylbenzene	ND	0.50	µg/L	1.0		7/13/05
m,p-Xylene	ND	0.50	µg/L	1.0		7/13/05
o-Xylene	ND	0.50	µg/L	1.0		7/13/05
Surrogate: Cis-1,2-Dichloroethylene	89.8	85-115	% Rec	1.0		7/13/05

Test Name: TPH as Gasoline

Reference: EPA 5030/GCFID(LUFT)/EPA 8015B

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
TPHC Gas (C6-C14)	ND	50	µg/L	1.0		7/13/05

Client Sample ID: MW-7

Received: 7/5/05

Collected: 7/5/05 9:45

Lab ID: 0507056-01D

Test Name: TPH as Diesel

Reference: EPA 3510/GCFID(LUFT)/EPA 8015B

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
TPHC Diesel (C12-C22)	ND	50	µg/L	1.0		7/8/05
Surrogate: N-Tricosane	76.3	70-130	% Rec	1.0		7/8/05

Client Sample ID: MW-7

Received: 7/5/05

Collected: 7/5/05 9:45

Lab ID: 0507056-01F

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Alkalinity	64	1.0	mg/L CaCO ₃	1.0		7/8/05

Test Name: Chloride, sulfate, fluoride, bromide

Reference: EPA 300.0

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Sulfate	11	0.50	mg/L	1.0		7/6/05

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Nitrate (as Nitrogen)	1.7	0.10	mg/L	1.0		7/6/05

Date: 18-Jul-05
WorkOrder: 0507056

ANALYTICAL REPORT

Client Sample ID: MW-7 (Dissolved)
Lab ID: 0507056-01G

Received: 7/5/05

Collected: 7/5/05 9:45

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chromium	17	10	µg/L	1.0	7/5/05	7/14/05
Iron	ND	100	µg/L	1.0	7/5/05	7/14/05
Manganese	ND	2.0	µg/L	1.0	7/5/05	7/14/05
Nickel	ND	20	µg/L	1.0	7/5/05	7/14/05

Client Sample ID: MW-1
Lab ID: 0507056-02A

Received: 7/5/05

Collected: 7/5/05 10:10

Test Name: BTEX

Reference: EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	ND	0.50	µg/L	1.0		7/13/05
Toluene	ND	0.50	µg/L	1.0		7/13/05
Ethylbenzene	ND	0.50	µg/L	1.0		7/13/05
m,p-Xylene	ND	0.50	µg/L	1.0		7/13/05
o-Xylene	ND	0.50	µg/L	1.0		7/13/05
Surrogate: Cis-1,2-Dichloroethylene	93.2	85-115	% Rec	1.0		7/13/05

Test Name: TPH as Gasoline

Reference: EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	ND	50	µg/L	1.0		7/13/05

Client Sample ID: MW-1
Lab ID: 0507056-02D

Received: 7/5/05

Collected: 7/5/05 10:10

Test Name: TPH as Diesel

Reference: EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	50	µg/L	1.0	7/8/05	7/8/05
Surrogate: N-Ticosane	75.2	70-130	% Rec	1.0	7/8/05	7/8/05

Client Sample ID: MW-1
Lab ID: 0507056-02F

Received: 7/5/05

Collected: 7/5/05 10:10

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Alkalinity	62	1.0	mg/L CaCO ₃	1.0		7/8/05

Page 2 of 10

Date: 18-Jul-05

WorkOrder: 0507056

Test Name: Chloride, sulfate, fluoride, bromide

ANALYTICAL REPORT

Reference: EPA 300.0

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Sulfate	14	0.50	mg/L	1.0		7/6/05

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Nitrate (as Nitrogen)	1.1	0.10	mg/L	1.0		7/6/05

Client Sample ID: MW-1 (Dissolved)

Received: 7/5/05

Collected: 7/5/05 10:10

Lab ID: 0507056-02G

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Chromium	ND	10	µg/L	1.0	7/5/05	7/14/05
Iron	ND	100	µg/L	1.0	7/5/05	7/14/05
Manganese	ND	2.0	µg/L	1.0	7/5/05	7/14/05

Client Sample ID: MW-3

Received: 7/5/05

Collected: 7/5/05 10:55

Lab ID: 0507056-03A

Test Name: BTEX

Reference: EPA 5030/EPA 8021B

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Benzene	ND	0.50	µg/L	1.0		7/14/05
Toluene	ND	0.50	µg/L	1.0		7/14/05
Ethylbenzene	ND	0.50	µg/L	1.0		7/14/05
m,p-Xylene	ND	0.50	µg/L	1.0		7/14/05
o-Xylene	ND	0.50	µg/L	1.0		7/14/05
Surrogate: Cis-1,2-Dichloroethylene	101	85-115	% Rec	1.0		7/14/05

Test Name: TPH as Gasoline

Reference: EPA 5030/GCFID(LUFT)/EPA 8015B

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
TPHC Gas (C6-C14)	ND	50	µg/L	1.0		7/14/05

Client Sample ID: MW-3

Received: 7/5/05

Collected: 7/5/05 10:55

Lab ID: 0507056-03D

Test Name: TPH as Diesel

Reference: EPA 3510/GCFID(LUFT)/EPA 8015B

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
TPHC Diesel (C12-C22)	ND	50	µg/L	1.0	7/8/05	7/8/05
Surrogate: N-Tricosane	75.0	70-130	% Rec	1.0	7/8/05	7/8/05

Date: 18-Jul-05
WorkOrder: 0507056

ANALYTICAL REPORT

Client Sample ID: MW-3
Lab ID: 0507056-03F

Received: 7/5/05

Collected: 7/5/05 10:55

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Alkalinity	170	1.0	mg/L CaCO ₃	1.0		7/8/05

Test Name: Chloride, sulfate, fluoride, bromide

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Sulfate	8.8	0.50	mg/L	1.0		7/6/05

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Nitrate (as Nitrogen)	ND	0.10	mg/L	1.0		7/6/05

Client Sample ID: MW-3 (Dissolved)

Received: 7/5/05

Collected: 7/5/05 10:55

Lab ID: 0507056-03G

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chromium	ND	10	µg/L	1.0	7/5/05	7/14/05
Iron	780	100	µg/L	1.0	7/5/05	7/14/05
Manganese	1,800	2.0	µg/L	1.0	7/5/05	7/14/05

Client Sample ID: MW-2

Received: 7/5/05

Collected: 7/5/05 11:30

Lab ID: 0507056-04A

Test Name: BTEX

Reference: EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	ND	0.50	µg/L	1.0		7/14/05
Toluene	1.1	0.50	µg/L	1.0		7/14/05
Ethylbenzene	ND	0.50	µg/L	1.0		7/14/05
m,p-Xylene	ND	0.50	µg/L	1.0		7/14/05
o-Xylene	ND	0.50	µg/L	1.0		7/14/05
Surrogate: Cis-1,2-Dichloroethylene	97.6	85-115	% Rec	1.0		7/14/05

Test Name: TPH as Gasoline

Reference: EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	69	50	µg/L	1.0		7/14/05

Page 4 of 10

Date: 18-Jul-05
WorkOrder: 0507056

ANALYTICAL REPORT

Client Sample ID: MW-2

Received: 7/5/05

Collected: 7/5/05 11:30

Lab ID: 0507056-04D

Test Name: TPH as Diesel

Reference: EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	50	µg/L	1.0	7/8/05	7/8/05
Surrogate: N-Tricosane	72.7	70-130	% Rec	1.0	7/8/05	7/8/05

Client Sample ID: MW-2

Received: 7/5/05

Collected: 7/5/05 11:30

Lab ID: 0507056-04F

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Alkalinity	350	1.0	mg/L CaCO ₃	1.0		7/8/05

Test Name: Chloride, sulfate, fluoride, bromide

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Sulfate	ND	0.50	mg/L	1.0		7/6/05

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Nitrate (as Nitrogen)	ND	0.10	mg/L	1.0		7/6/05

Client Sample ID: MW-2 (Dissolved)

Received: 7/5/05

Collected: 7/5/05 11:30

Lab ID: 0507056-04G

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Aluminum	ND	100	µg/L	1.0	7/5/05	7/14/05
Chromium	ND	10	µg/L	1.0	7/5/05	7/14/05
Iron	25,000	100	µg/L	1.0	7/5/05	7/14/05
Manganese	1,400	2.0	µg/L	1.0	7/5/05	7/14/05

Client Sample ID: MW-2

Received: 7/5/05

Collected: 7/5/05 11:30

Lab ID: 0507056-04H

Test Name: Chemical Oxygen Demand

Reference: EPA 410.4

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chemical Oxygen Demand	37	5.0	mg/L	1.0	7/13/05	7/13/05

Date: 18-Jul-05
WorkOrder: 0507056

ANALYTICAL REPORT

Client Sample ID: MW-6
Lab ID: 0507056-05A

Received: 7/5/05

Collected: 7/5/05 11:45

Test Name: BTEX

Reference: EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	49	5.0	µg/L	10		7/14/05
Toluene	38	5.0	µg/L	10		7/14/05
Ethylbenzene	100	50	µg/L	100		7/14/05
m,p-Xylene	31	5.0	µg/L	10		7/14/05
o-Xylene	5.0	5.0	µg/L	10		7/14/05
Surrogate: Cis-1,2-Dichloroethylene	96.8	85-115	% Rec	100		7/14/05

Test Name: TPH as Gasoline

Reference: EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	3,300	500	µg/L	10		7/14/05

Client Sample ID: MW-6

Received: 7/5/05

Collected: 7/5/05 11:45

Lab ID: 0507056-05D

Test Name: TPH as Diesel

Reference: EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	370	50	µg/L	1.0	7/8/05	7/8/05
Surrogate: N-Tricosane	73.2	70-130	% Rec	1.0	7/8/05	7/8/05

Client Sample ID: MW-6

Received: 7/5/05

Collected: 7/5/05 11:45

Lab ID: 0507056-05F

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Alkalinity	230	1.0	mg/L CaCO ₃	1.0		7/8/05

Test Name: Chloride, sulfate, fluoride, bromide

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Sulfate	ND	0.50	mg/L	1.0		7/6/05

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Nitrate (as Nitrogen)	ND	0.10	mg/L	1.0		7/6/05

Date: 18-Jul-05
WorkOrder: 0507056

ANALYTICAL REPORT

Client Sample ID: MW-6 (Dissolved)

Received: 7/5/05

Collected: 7/5/05 11:45

Lab ID: 0507056-05G

Test Name: Arsenic

Reference: EPA 200.9

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Arsenic	15	10	µg/L	1.0	7/5/05	7/14/05

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Aluminum	ND	100	µg/L	1.0	7/5/05	7/14/05
Chromium	ND	10	µg/L	1.0	7/5/05	7/14/05
Iron	41,000	100	µg/L	1.0	7/5/05	7/14/05
Manganese	4,300	2.0	µg/L	1.0	7/5/05	7/14/05
Nickel	ND	20	µg/L	1.0	7/5/05	7/14/05

Client Sample ID: MW-6

Received: 7/5/05

Collected: 7/5/05 11:45

Lab ID: 0507056-05H

Test Name: Chemical Oxygen Demand

Reference: EPA 410.4

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chemical Oxygen Demand	48	5.0	mg/L	1.0	7/13/05	7/13/05

Client Sample ID: MW-5

Received: 7/5/05

Collected: 7/5/05 11:35

Lab ID: 0507056-06A

Test Name: BTEX

Reference: EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	ND	3.5	µg/L	1.0		7/14/05
Toluene	ND	40	µg/L	10		7/14/05
Ethylbenzene	ND	20	µg/L	10		7/14/05
m,p-Xylene	ND	15	µg/L	1.0		7/14/05
o-Xylene	ND	10	µg/L	1.0		7/14/05
Surrogate: Cis-1,2-Dichloroethylene	93.1	85-115	% Rec	10		7/14/05

Test Name: TPH as Gasoline

Reference: EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	2,700	500	µg/L	10		7/14/05

Date: 18-Jul-05
WorkOrder: 0507056

ANALYTICAL REPORT

Client Sample ID: MW-5
Lab ID: 0507056-06D

Received: 7/5/05

Collected: 7/5/05 11:35

Test Name: TPH as Diesel

Reference: EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	470	50	µg/L	1.0	7/8/05	7/8/05
Surrogate: N-Tricosane	73.6	70-130	% Rec	1.0	7/8/05	7/8/05

Client Sample ID: MW-5
Lab ID: 0507056-06F

Received: 7/5/05

Collected: 7/5/05 11:35

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Alkalinity	79	1.0	mg/L CaCO ₃	1.0		7/14/05

Test Name: Chloride, sulfate, fluoride, bromide

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Sulfate	1.3	0.50	mg/L	1.0		7/6/05

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Nitrate (as Nitrogen)	ND	0.10	mg/L	1.0		7/6/05

Client Sample ID: MW-5 (Dissolved)

Received: 7/5/05

Collected: 7/5/05 11:35

Lab ID: 0507056-06G

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Aluminum	ND	100	µg/L	1.0	7/5/05	7/14/05
Iron	15,000	100	µg/L	1.0	7/5/05	7/14/05
Manganese	1,600	2.0	µg/L	1.0	7/5/05	7/14/05

Client Sample ID: MW-5

Received: 7/5/05

Collected: 7/5/05 11:35

Lab ID: 0507056-06H

Test Name: Chemical Oxygen Demand

Reference: EPA 410.4

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chemical Oxygen Demand	30	5.0	mg/L	1.0	7/13/05	7/13/05

Date: 18-Jul-05
WorkOrder: 0507056

ANALYTICAL REPORT

Client Sample ID: MW-4
Lab ID: 0507056-07A

Received: 7/5/05

Collected: 7/5/05 12:10

Test Name: BTEX

Reference: EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	52	5.0	µg/L	10		7/14/05
Toluene	140	50	µg/L	100		7/14/05
Ethylbenzene	510	50	µg/L	100		7/14/05
m,p-Xylene	35	5.0	µg/L	10		7/14/05
o-Xylene	ND	10	µg/L	10		7/14/05
Surrogate: Cis-1,2-Dichloroethylene	106	85-115	% Rec	100		7/14/05

Test Name: TPH as Gasoline

Reference: EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	12,000	500	µg/L	10		7/14/05

Client Sample ID: MW-4

Received: 7/5/05

Collected: 7/5/05 12:10

Lab ID: 0507056-07D

Test Name: TPH as Diesel

Reference: EPA 3510/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1,900	50	µg/L	1.0	7/8/05	7/8/05
Surrogate: N-Tricosane	69.7	70-130	% Rec	1.0	7/8/05	7/8/05

Client Sample ID: MW-4

Received: 7/5/05

Collected: 7/5/05 12:10

Lab ID: 0507056-07F

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Alkalinity	310	1.0	mg/L CaCO ₃	1.0		7/14/05

Test Name: Chloride, sulfate, fluoride, bromide

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Sulfate	11	0.50	mg/L	1.0		7/6/05

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Nitrate (as Nitrogen)	ND	0.10	mg/L	1.0		7/6/05

Date: 18-Jul-05
WorkOrder: 0507056

ANALYTICAL REPORT

Client Sample ID: MW-4 (Dissolved)

Received: 7/5/05

Collected: 7/5/05 12:10

Lab ID: 0507056-07G

Test Name: Arsenic

Reference: EPA 200.9

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Arsenic	19	10	µg/L	1.0	7/5/05	7/14/05

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Aluminum	ND	100	µg/L	1.0	7/5/05	7/14/05
Chromium	35	10	µg/L	1.0	7/5/05	7/14/05
Iron	110,000	100	µg/L	1.0	7/5/05	7/14/05
Manganese	4,000	2.0	µg/L	1.0	7/5/05	7/14/05
Nickel	ND	20	µg/L	1.0	7/5/05	7/14/05

Test Name: Lead

Reference: EPA 200.9

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Lead	24	10	µg/L	1.0	7/5/05	7/13/05

Client Sample ID: MW-4

Received: 7/5/05

Collected: 7/5/05 12:10

Lab ID: 0507056-07H

Test Name: Chemical Oxygen Demand

Reference: EPA 410.4

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chemical Oxygen Demand	120	5.0	mg/L	1.0	7/13/05	7/13/05

North Coast Laboratories, Ltd.

Date: 15-Jul-05

QC SUMMARY REPORT
 Method Blank

CLIENT: Pvt. cust. paying on pickup
Work Order: 0507056
Project: 093168, Price Trust Properties

Sample ID:	MB-13774A	Batch ID:	13774	Test Code:	AS200.9X	Units:	µg/L	Analysis Date:	7/14/05 3:00:00 PM	Prep Date:	7/5/05	
Client ID:		Run ID:	INAAZ_050714B	SeqNo:	516323							
Analyte		Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		ND	10									
Sample ID:	MB-7/13/05	Batch ID:	R35820	Test Code:	BTXEW	Units:	µg/L	Analysis Date:	7/13/05 10:46:41 PM	Prep Date:		
Client ID:		Run ID:	ORGCB_050713B	SeqNo:	516276							
Analyte		Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	0.50									
Toluene		ND	0.50									
Ethylbenzene		ND	0.50									
m,p-Xylene		ND	0.50									
o-Xylene		ND	0.50									
Cis-1,2-Dichloroethylene		1.01	0.10	1.00	0	101%	85	115	0			
Sample ID:	MBLK	Batch ID:	R35819	Test Code:	CODW	Units:	mg/L	Analysis Date:	7/13/05	Prep Date:		
Client ID:		Run ID:	WC_050714A	SeqNo:	516258							
Analyte		Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand		ND	5.0									
Sample ID:	MBLK 070605	Batch ID:	R35702	Test Code:	ICIONW	Units:	mg/L	Analysis Date:	7/6/05 1:50:54 PM	Prep Date:		
Client ID:		Run ID:	INIC2_050706B	SeqNo:	514832							
Analyte		Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate		ND	0.50									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

CLIENT: Pvt. cust. paying on pickup
Work Order: 0507056
Project: 093168, Price Trust Properties

QC SUMMARY REPORT

Method Blank

Sample ID:	Batch ID:	Test Code:	Units:	Analysis Date:	Prep Date:
Client ID:		Run ID:	mg/L		
Analyte	Result	Limit	SPK value	% Rec	LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Nitrate (as Nitrogen)	ND	0.10			
Sample ID: MB-13774P	Batch ID: 13774	Test Code: ICPCX	Units: µg/L	Analysis Date: 7/14/05 12:39:00 PM	Prep Date: 7/5/05
Client ID:		Run ID: INICP1_050714B			
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Aluminum	ND	100			
Chromium	ND	10			
Iron	ND	100			
Manganese	ND	2.0			
Nickel	ND	20			
Sample ID: MB-13774A	Batch ID: 13774	Test Code: PB200.9X	Units: µg/L	Analysis Date: 7/13/05 2:41:00 PM	Prep Date: 7/5/05
Client ID:		Run ID: INAA2_050713B			
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	ND	10			
Sample ID: MB-7/13/05	Batch ID: R35818	Test Code: TPHCGW	Units: µg/L	Analysis Date: 7/13/05 10:46:41 PM	Prep Date:
Client ID:		Run ID: ORGGC8_050713A			
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
TPHC Gas (C6-C14)	ND	50			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Method Blank

CLIENT: Pvt. cust. paying on pickup
Work Order: 0507056
Project: 093168, Price Trust Properties

Sample ID:	MB-13790	Batch ID:	13790	Test Code:	TPHDIW	Units:	µg/L	Analysis Date:	7/8/05 9:34:20 PM	Prep Date:	7/8/05		
Client ID:		Run ID:		ORGC7_050708A				SeqNo:	515270				
Analyte		Result		Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPD Limit	Qual
TPHC Diesel (C12-C22)	ND	50	0.10	50.0	0	74.9%	70	130		0			
N-Tricosane	37.4												

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 15-Jul-05

QC SUMMARY REPORT

Laboratory Control Spike

Client ID:	Sample ID:	Batch ID:	Test Code:	Run ID:	Units:	Analysis Date:	SeqNo:	Prep Date:
Analyte					µg/L	7/14/05 3:05:00 PM	516324	7/5/05
Arsenic	Sample ID: LCS-03774A	Batch ID: 13774	Test Code: AS200.9X	Run ID: INAA2_050714B	% Rec	LowLimit	HighLimit	RPD Ref Val
					% Rec Val			% RPD
								RPDLimit
								Qual
Benzene	Sample ID: LCS-05447	Batch ID: R35820	Test Code: BTXEW	Run ID: ORGCB_050713B	19.86	10	20.0	0
Toluene					99.3%	.85	115	0
Ethylbenzene								
m,p-Xylene								
o-Xylene								
Cis-1,2-Dichloroethylene								S
Benzene	Sample ID: LCSD-05447	Batch ID: R35820	Test Code: BTXEW	Run ID: ORGCB_050713B	4.640	0.50	5.00	0
Toluene					92.8%	85	115	0
Ethylbenzene					91.5%	85	115	0
m,p-Xylene					93.0%	85	115	0
o-Xylene					91.8%	85	115	0
Cis-1,2-Dichloroethylene					93.3%	85	115	0
Benzene					116%	85	115	0
Toluene								
Ethylbenzene								
m,p-Xylene								
o-Xylene								
Cis-1,2-Dichloroethylene								S

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Pvt. cust. paying on pickup
Work Order: 0507056
Project: 093168, Price Trust Properties

Sample ID: LCS	Batch ID: R35819	Test Code: CODW	Units: mg/L	Analysis Date: 7/13/05				Prep Date: 7/13/05		
Client ID:		Run ID: WC_050714A		SeqNo:	516259	% RPD	RPD Ref Val	% RPD	RPD Limit	Qual
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val		
Chemical Oxygen Demand	52.23	5.0	50.0	0	104%	85	117	0		
Sample ID: LCS	Batch ID: R35819	Test Code: CODW	Units: mg/L	Analysis Date: 7/13/05				Prep Date: 7/13/05		
Client ID:		Run ID: WC_050714A		SeqNo:	516260	% RPD	RPD Ref Val	% RPD	RPD Limit	Qual
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val		
Chemical Oxygen Demand	52.23	5.0	50.0	0	104%	85	117	52.2	0%	10
Sample ID: LCS 07060504	Batch ID: R35702	Test Code: ICIONW	Units: mg/L	Analysis Date: 7/6/05 2:06:32 PM				Prep Date:		
Client ID:		Run ID: INIC2_050706B		SeqNo:	514833	% RPD	RPD Ref Val	% RPD	RPD Limit	Qual
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val		
Sulfate	9.939	0.50	10.0	0	99.4%	90	110	0		
Sample ID: LCS 07060504	Batch ID: R35700	Test Code: ICNOW	Units: mg/L	Analysis Date: 7/6/05 2:06:32 PM				Prep Date:		
Client ID:		Run ID: INIC2_050706A		SeqNo:	514812	% RPD	RPD Ref Val	% RPD	RPD Limit	Qual
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val		
Nitrate (as Nitrogen)	0.9960	0.10	1.00	0	99.6%	90	110	0		
Sample ID: LCS-13774P	Batch ID: 13774	Test Code: ICNX	Units: µg/L	Analysis Date: 7/14/05 12:43:00 PM				Prep Date: 7/5/05		
Client ID:		Run ID: INICP1_050714B		SeqNo:	516438	% RPD	RPD Ref Val	% RPD	RPD Limit	Qual
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val		
Aluminum	466.3	100	500	0	93.3%	85	115	0		
Chromium	473.0	10	500	0	94.6%	85	115	0		
Iron	490.9	100	500	0	98.2%	85	115	0		
Manganese	500.0	2.0	500	0	100%	85	115	0		
Nickel	502.0	20	500	0	100%	85	115	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

B - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

QC SUMMARY REPORT
Laboratory Control Spike

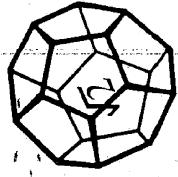
CLIENT: Pvt. cust. paying on pickup
Work Order: 0507056
Project: 093168, Price Trust Properties

Sample ID:	Batch ID:	Test Code:	Units:	% Rec	LowLimit	HighLimit	RPD Ref Val	% RPD	RPD Limit	Qual	Prep Date:
Sample ID: LCS-13774A	Batch ID: 13774	Test Code: PB200.9X	Units: µg/L								7/13/05 2:47:00 PM
Client ID:		Run ID: INAA2_050713B									SeqNo: 516168
Analyte		Result	Limit	SPK value	SPK Ref Val						
Lead		34.69	10	40.0	0	86.7%	85	115	0		
Sample ID: LCS-05448	Batch ID: R35818	Test Code: TPHCGW	Units: µg/L								Prep Date:
Client ID:		Run ID: ORGCG8_050713A									Analysis Date: 7/13/05 8:22:50 PM
Analyte		Result	Limit	SPK value	SPK Ref Val						SeqNo: 516246
TPHC Gas (C6-C14)		634.0	50	625	0	101%	81	126	0		
Sample ID: LCSD-0448	Batch ID: R35818	Test Code: TPHCGW	Units: µg/L								Prep Date:
Client ID:		Run ID: ORGCG8_050713A									Analysis Date: 7/13/05 8:58:56 PM
Analyte		Result	Limit	SPK value	SPK Ref Val						SeqNo: 516247
TPHC Gas (C6-C14)		652.1	50	625	0	104%	81	126	634	2.81%	15
Sample ID: LCS-13790	Batch ID: 13790	Test Code: TPHDIW	Units: µg/L								Prep Date:
Client ID:		Run ID: ORGCT7_05070708A									Analysis Date: 7/8/05 7:53:08 PM
Analyte		Result	Limit	SPK value	SPK Ref Val						SeqNo: 515267
TPHC Diesel (C12-C22)		459.9	50	500	0	92.0%	67	120	0		
N-Tricosane		42.9	0.10	50.0	0	85.8%	70	130	0		
Sample ID: LCSD-13790	Batch ID: 13790	Test Code: TPHDIW	Units: µg/L								Prep Date:
Client ID:		Run ID: ORGCT7_05070708A									Analysis Date: 7/8/05 8:13:23 PM
Analyte		Result	Limit	SPK value	SPK Ref Val						SeqNo: 515268
TPHC Diesel (C12-C22)		462.6	50	500	0	92.5%	67	120	460	0.593%	15
N-Tricosane		43.5	0.10	50.0	0	86.9%	70	130	42.9	1.26%	15

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method B/Blank



**NORTH COAST
LABORATORIES LTD.**

6680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

0507056

LABORATORY NUMBER:

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

Attachment 4

TPHG Concentration Graphs

Figure 4-1
TPHG Concentrations, MW-4
Price Trust Property, Crescent City, California

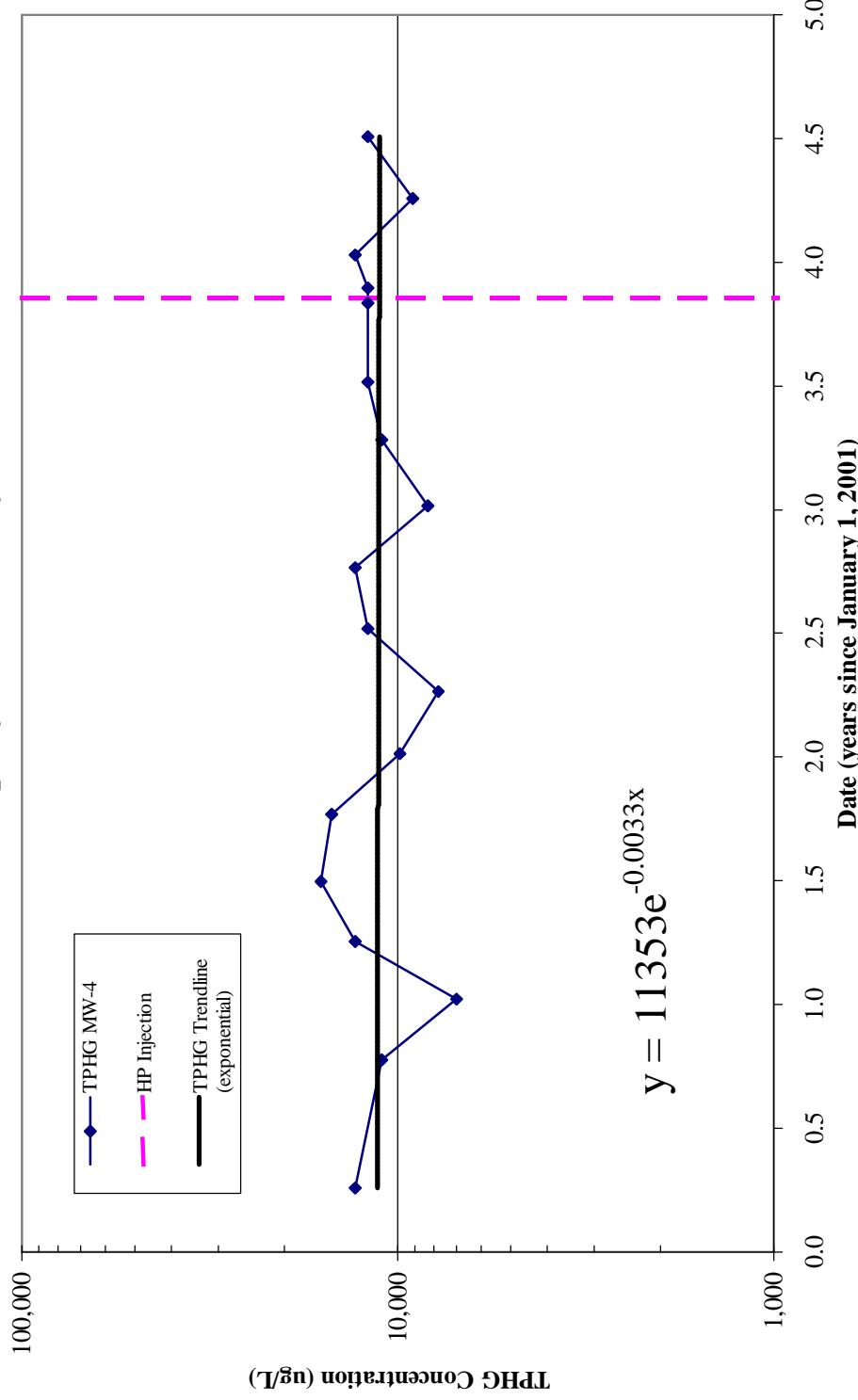


Figure 4-2
TPHG Concentrations, MW-5
Price Trust Property, Crescent City, California

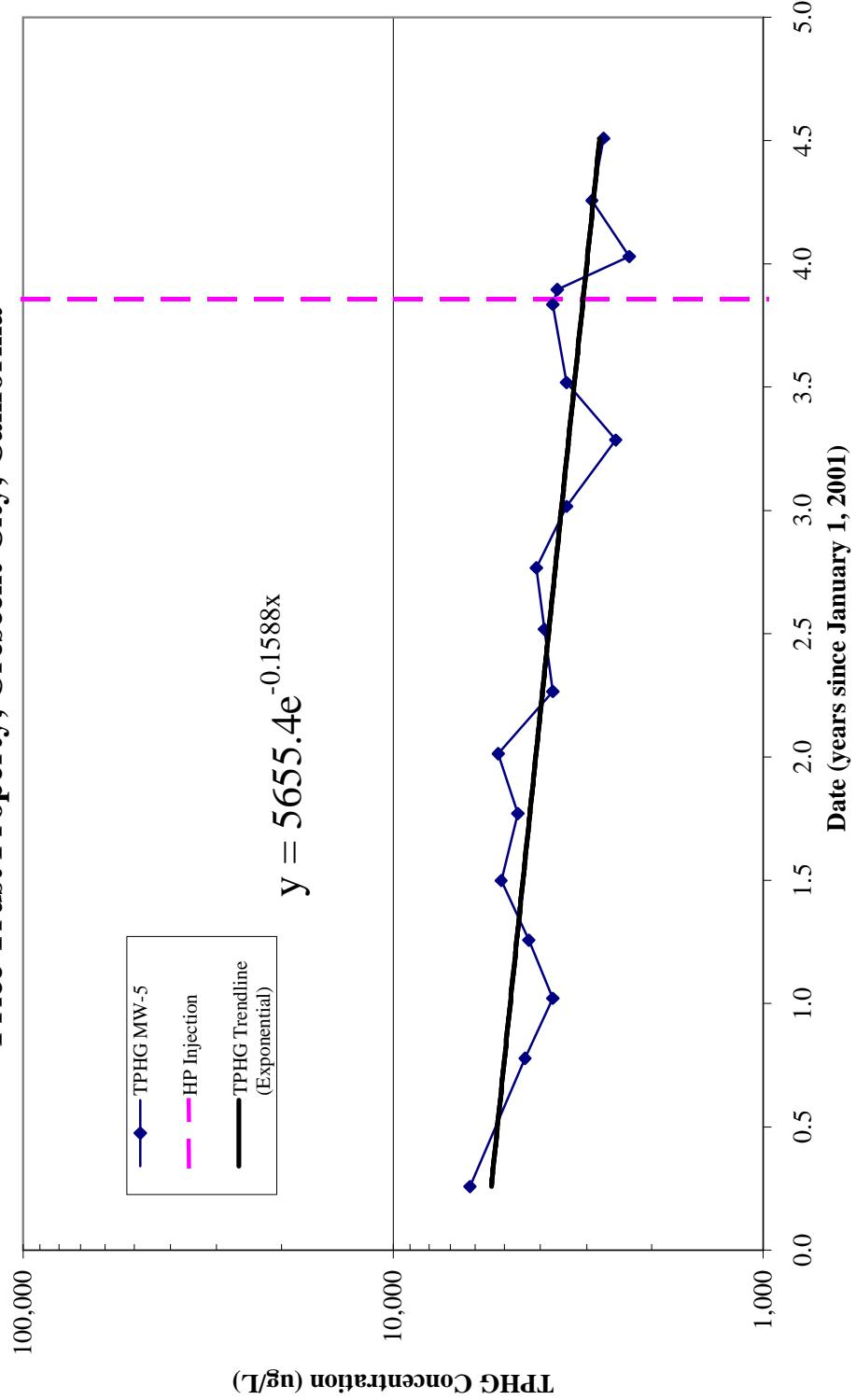


Figure 4-3
TPHG Concentrations, MW-6
Price Trust Property, Crescent City, California

